

TABLE ONE AND PLOTS

Asabere Asante

[1] 2839 79

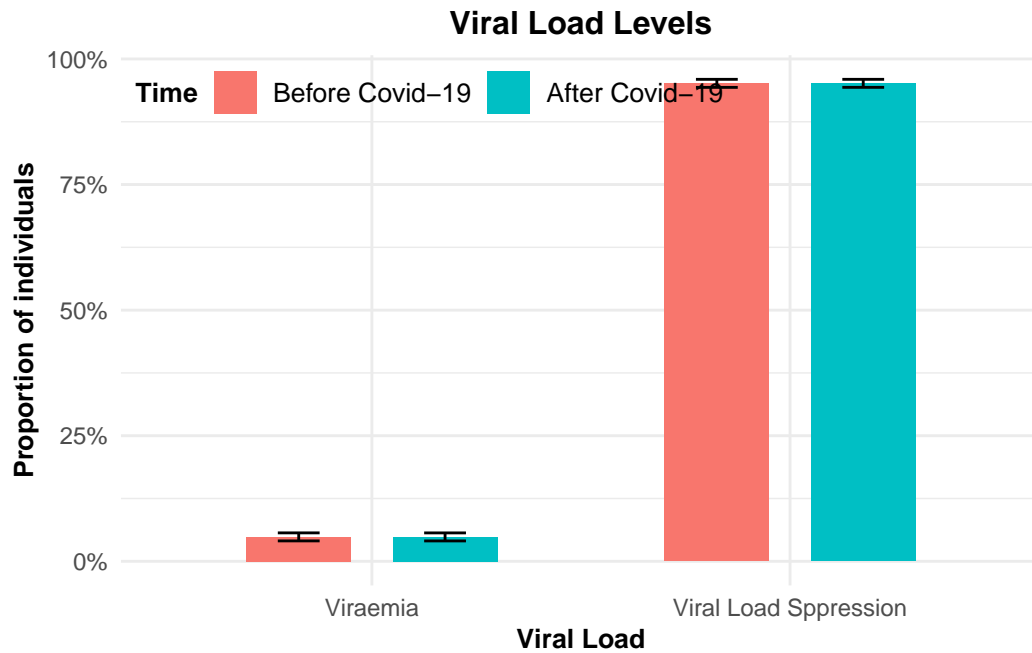
Table One

Characteristic	Overall, N = 2,839	Female, N = 1,824	Male, N = 1,015
Age (years)	38 (11)	37 (11)	39 (9)
Age group			
<30	437 (15%)	347 (19%)	90 (9%)
30-39	1,229 (43%)	809 (44%)	420 (41%)
40-49	1,173 (41%)	668 (37%)	505 (50%)
Current marital status			
Never married	142 (5%)	96 (5%)	46 (5%)
Currently married	1,720 (61%)	1,036 (57%)	684 (67%)
Previously married	977 (34%)	692 (38%)	285 (28%)
Educational attainment			
No formal education	266 (9%)	174 (10%)	92 (9%)
Primary	1,931 (68%)	1,193 (65%)	738 (73%)
Secondary	406 (14%)	287 (16%)	119 (12%)
Technical/University	236 (8%)	170 (9%)	66 (7%)
Primary Occupation			
Agriculture/Homebrewing	709 (25%)	529 (29%)	180 (18%)
Trading or shopkeeping	543 (19%)	430 (24%)	113 (11%)
Bar work or waitressing	282 (10%)	278 (15%)	4 (0%)
Fishing-related occupation	504 (18%)	3 (0%)	501 (49%)
House work	287 (10%)	283 (16%)	4 (0%)
Other	514 (18%)	301 (17%)	213 (21%)
Migration			
In-migrant	637 (22%)	464 (25%)	173 (17%)

Characteristic	Overall, N = 2,839	Female, N = 1,824	Male, N = 1,015
<i>Long-term resident</i>	2,202 (78%)	1,360 (75%)	842 (83%)
Community type			
<i>Inland Community</i>	1,284 (45%)	943 (52%)	341 (34%)
<i>Fishing community</i>	1,555 (55%)	881 (48%)	674 (66%)
Time on ART			
<i><1 year</i>	222 (8%)	152 (8%)	70 (7%)
<i>1-2 years</i>	79 (3%)	50 (3%)	29 (3%)
<i>2-5 years</i>	750 (26%)	446 (24%)	304 (30%)
<i>>5 years</i>	1,788 (63%)	1,176 (64%)	612 (60%)

Viral Load Suppression

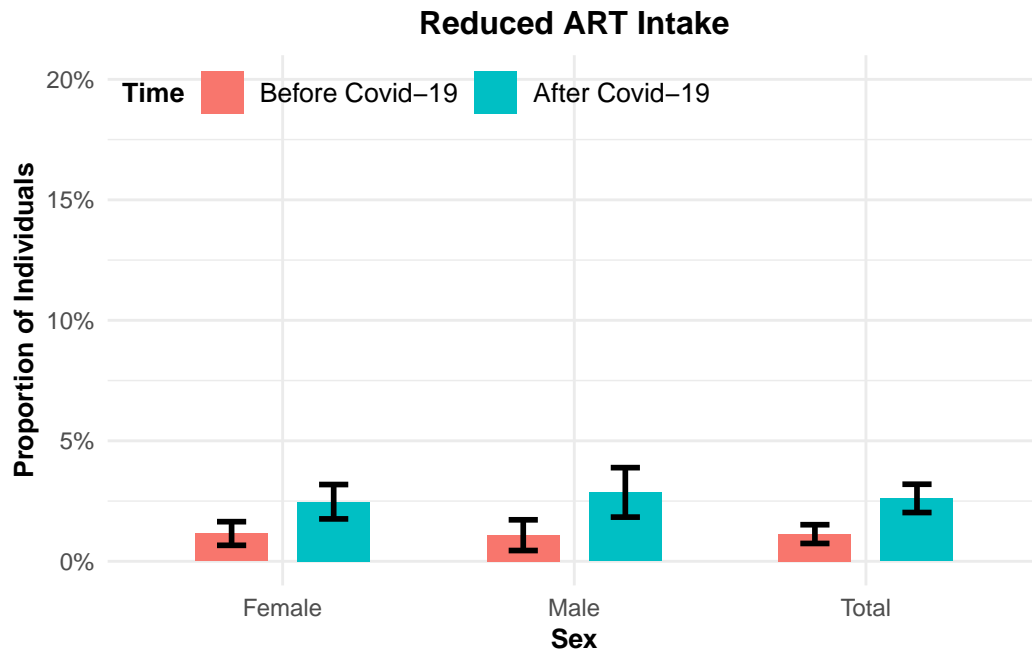
time	n	viral_load	n_suppressed	proportion	se	lower	upper
Before Covid-19	2779	Viraemia	135	0.0485786	0.0040782	0.0405854	0.0565718
Before Covid-19	2779	Viral Load Sppression	2644	0.9514214	0.0040782	0.9434282	0.9594146
After Covid-19	2780	Viraemia	135	0.0485612	0.0040767	0.0405707	0.0565516
After Covid-19	2780	Viral Load Sppression	2645	0.9514388	0.0040767	0.9434484	0.9594293



Proportion taking ART pills less frequently / in smaller amounts by Sex

sex	artstrbc	n
Female	No	1799
Female	Yes	21
Male	No	1003
Male	Yes	11

sex	artstrac	n
Female	No	1775
Female	Yes	45
Male	No	985
Male	Yes	29

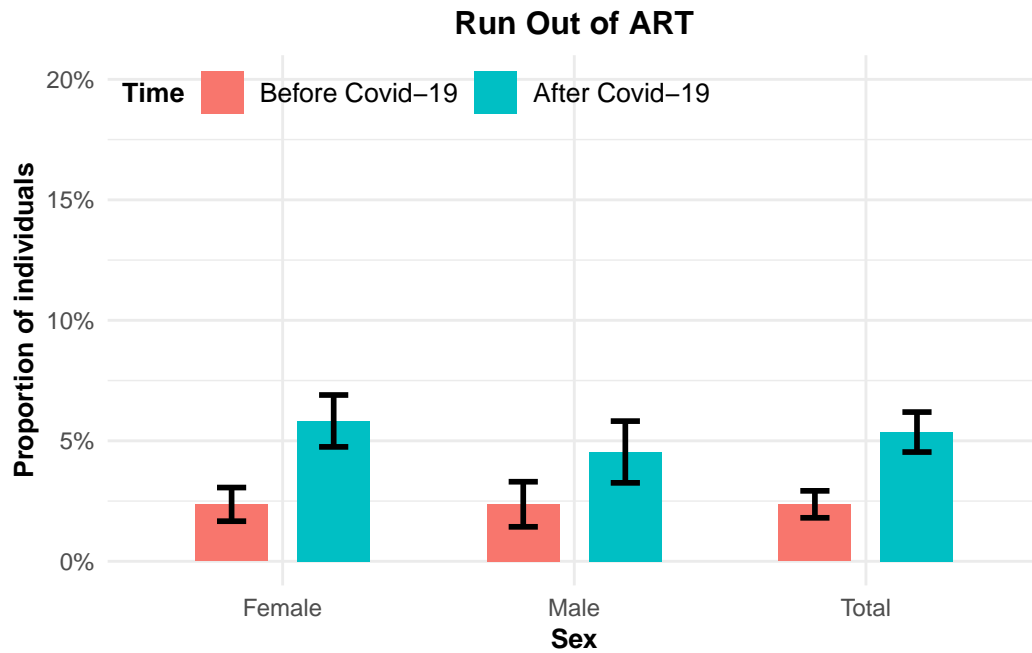


Run out of ART before next refill by Sex

sex	artrunbc	n
Female	No	1777
Female	Yes	43
Male	No	990
Male	Yes	24

sex	artrunac	n
Female	No	1714
Female	Yes	106
Male	No	968
Male	Yes	46

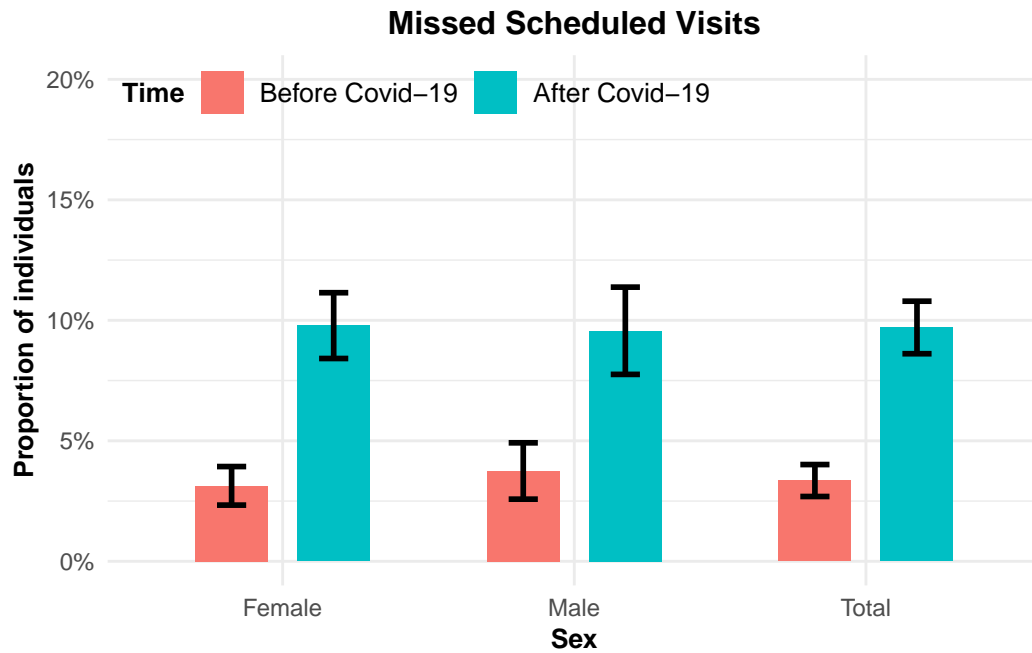
time	n_yes	n
After Covid-19	152	2834
Before Covid-19	67	2834



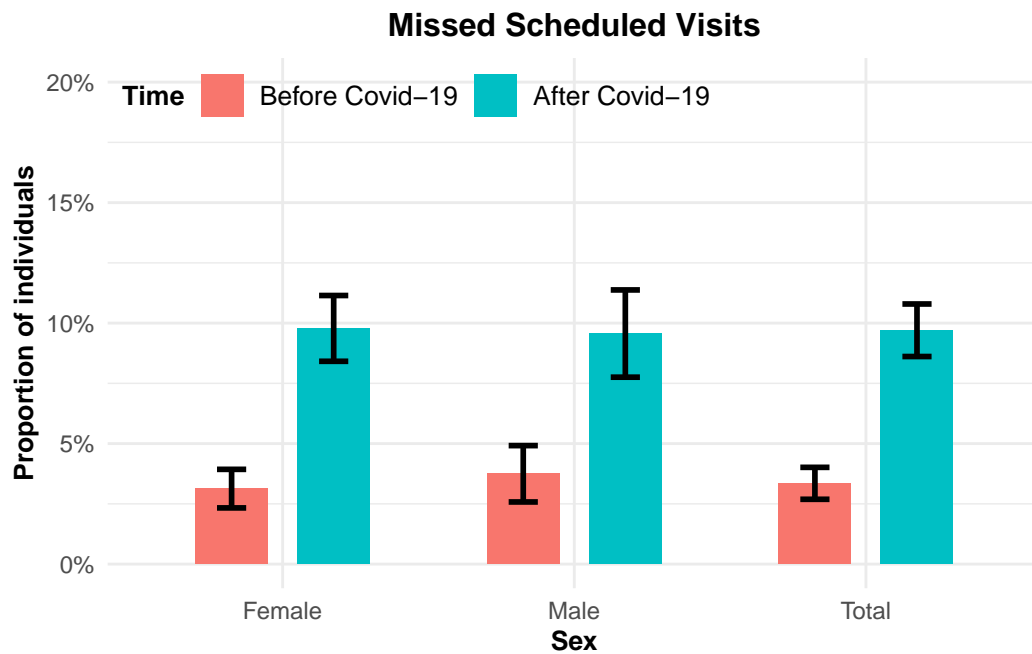
Missed Scheduled Visits by Sex

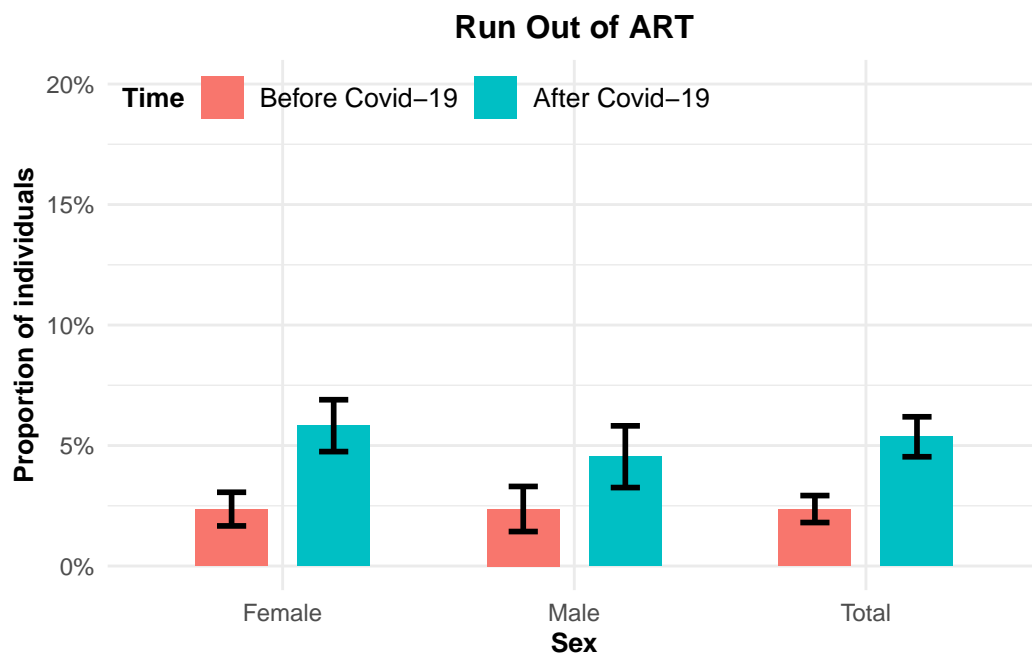
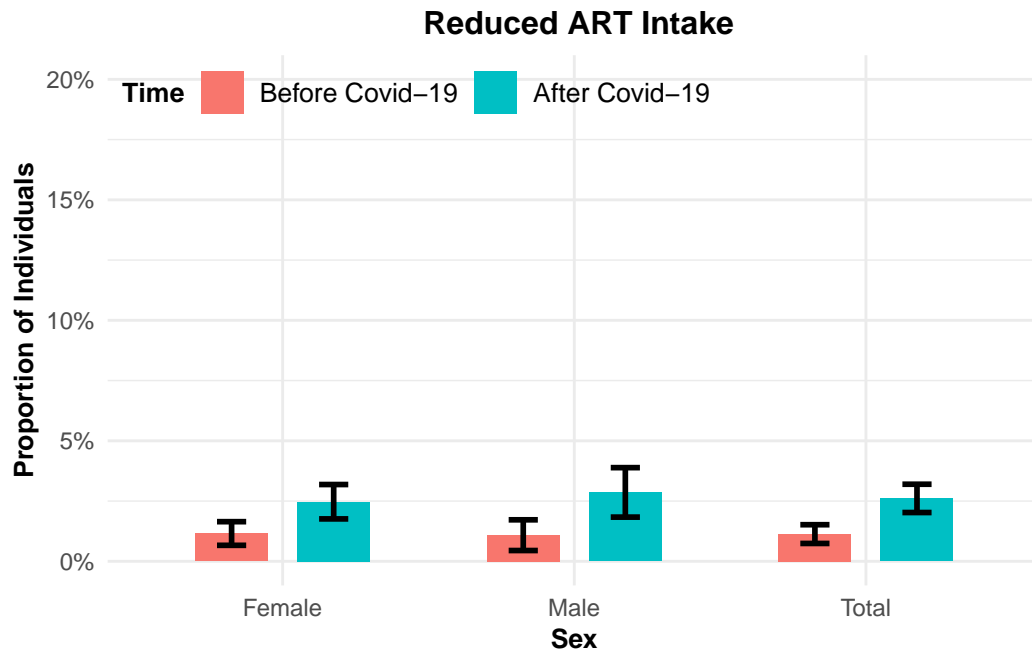
sex	hivbc	n
Female	No	1763
Female	Yes	57
Male	No	976
Male	Yes	38

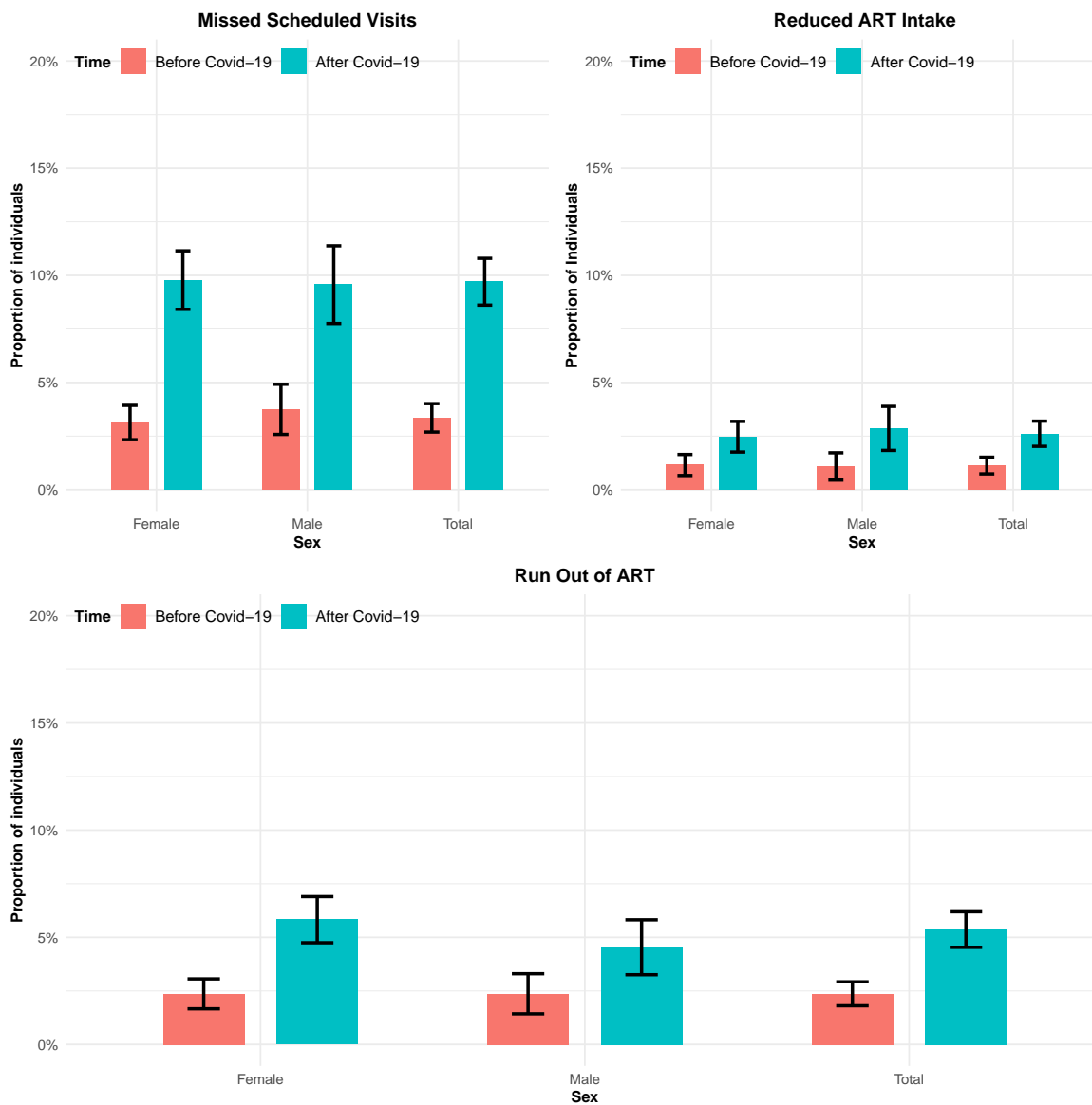
sex	hivac	n
Female	No	1642
Female	Yes	178
Male	No	917
Male	Yes	97



Combined Plots







SUBPLOTS

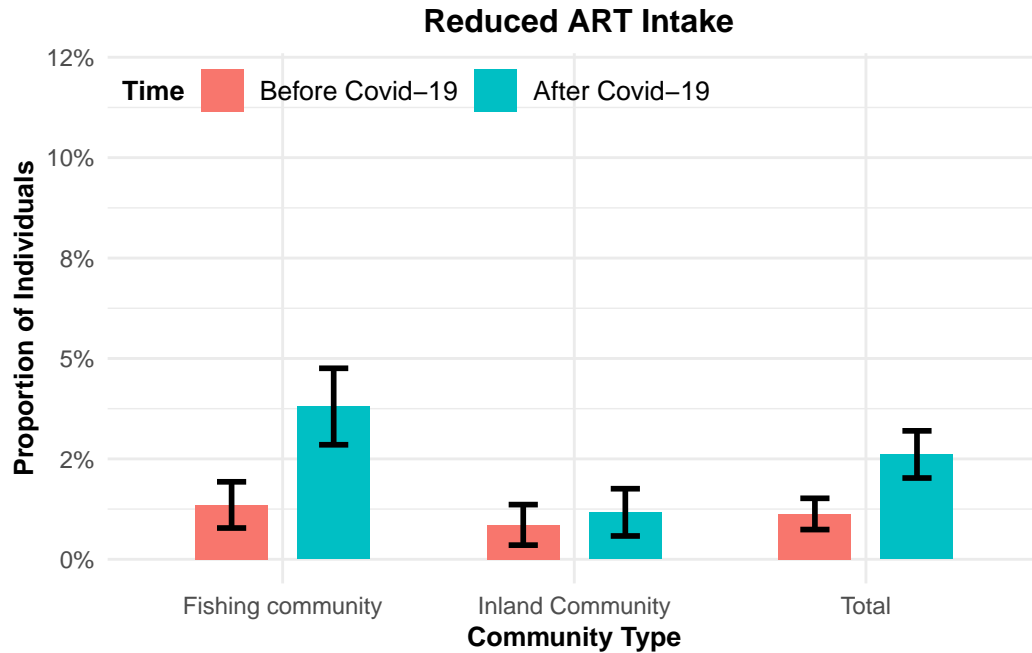
Community Type

Reduced ART intake by Community

community_type	artstrbc	n
Inland Community	No	1272
Inland Community	Yes	11
Fishing community	No	1530
Fishing community	Yes	21

community_type	artstrac	n
Inland Community	No	1268
Inland Community	Yes	15
Fishing community	No	1492
Fishing community	Yes	59

time	community_type	n_yes	n	proportion	se	lower	upper
After Covid-19	Inland Community	15	1283	0.0116913	0.0030010	0.0058094	0.0175733
After Covid-19	Fishing community	59	1551	0.0380400	0.0048573	0.0285197	0.0475602
Before Covid-19	Inland Community	11	1283	0.0085737	0.0025739	0.0035287	0.0136186
Before Covid-19	Fishing community	21	1551	0.0135397	0.0029345	0.0077880	0.0192913
After Covid-19	Total	74	2834	0.0261115	0.0029955	0.0202403	0.0319827
Before Covid-19	Total	32	2834	0.0112915	0.0019848	0.0074013	0.0151816



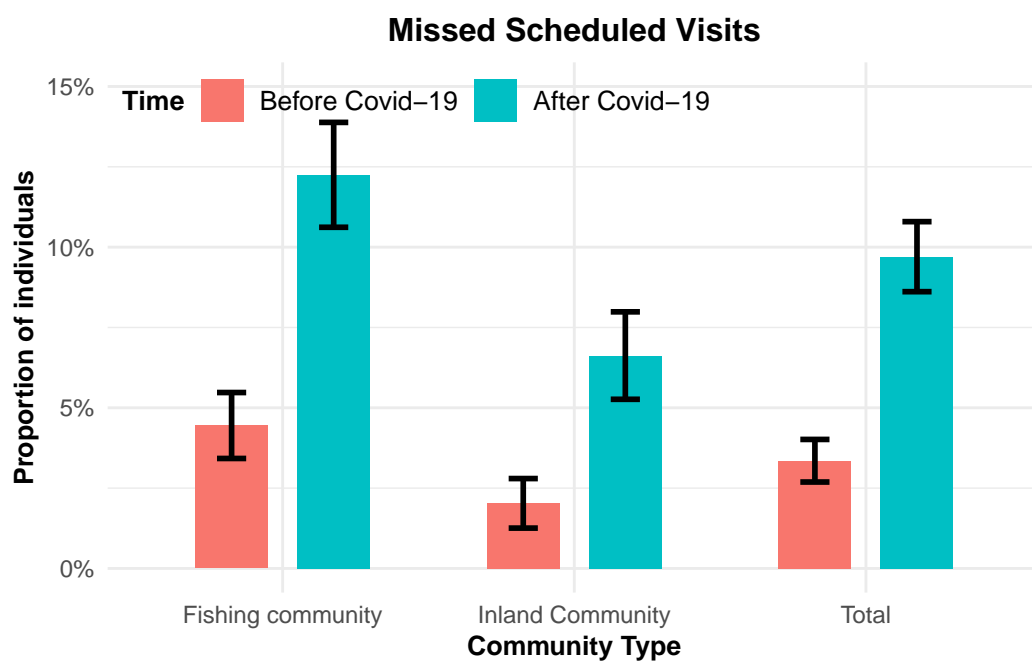
Missed Scheduled Visits by Community

community_type	hivbc	n
Inland Community	No	1257
Inland Community	Yes	26
Fishing community	No	1482
Fishing community	Yes	69

community_type	hivac	n
Inland Community	No	1198
Inland Community	Yes	85
Fishing community	No	1361
Fishing community	Yes	190

time	community_type	n_yes	n	proportion	se	lower	upper
After Covid-19	Inland Community	85	1283	0.0662510	0.0069438	0.0526411	0.0798608

time	community_type	n_yes	n	proportion	se	lower	upper
After Covid-19	Fishing community	190	1551	0.1225016	0.0083251	0.1061845	0.1388188
Before Covid-19	Inland Community	26	1283	0.0202650	0.0039338	0.0125547	0.0279753
Before Covid-19	Fishing community	69	1551	0.0444874	0.0052352	0.0342265	0.0547484
After Covid-19	Total	275	2834	0.0970360	0.0055603	0.0861377	0.1079343
Before Covid-19	Total	95	2834	0.0335215	0.0033811	0.0268946	0.0401485

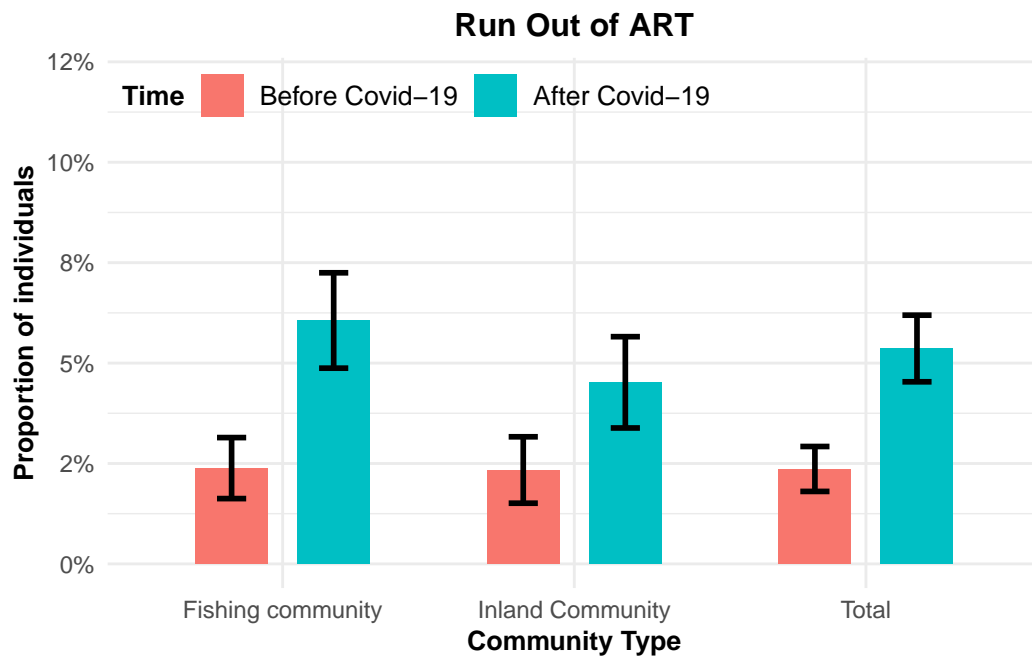


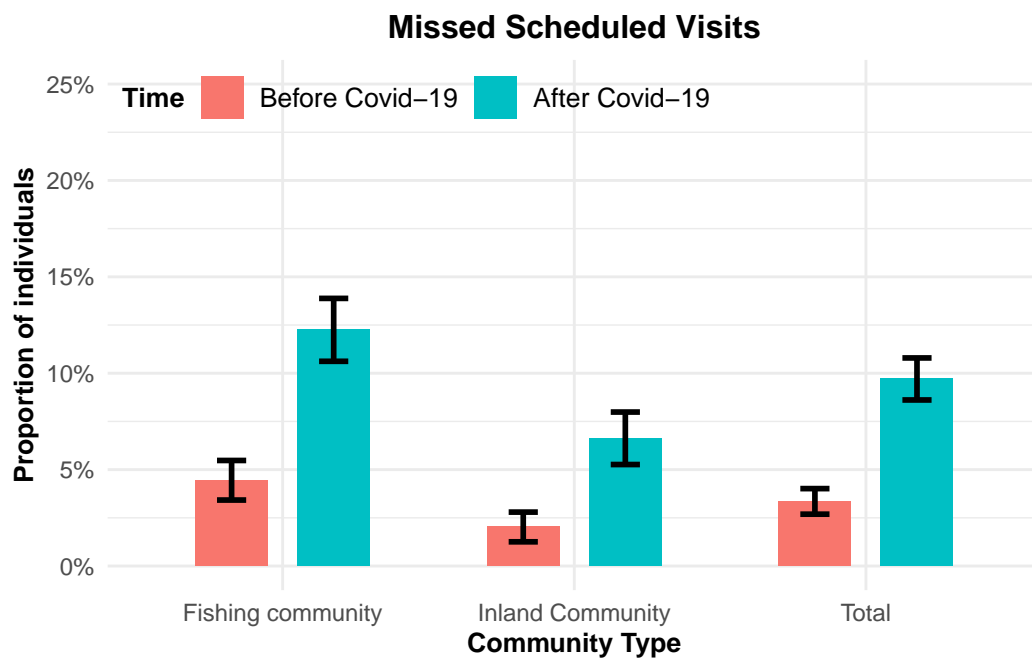
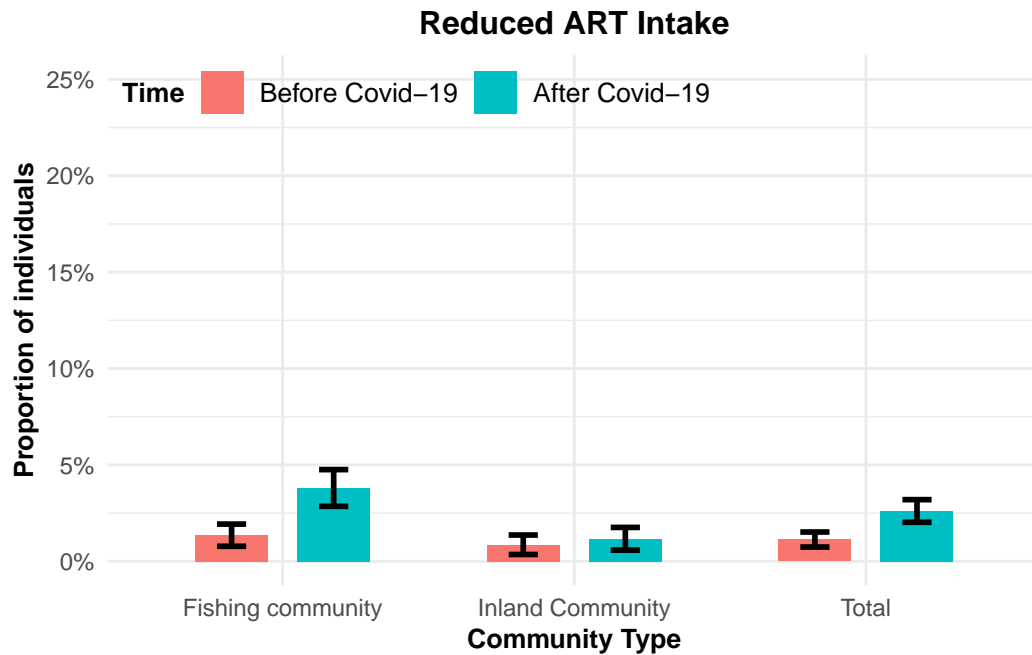
Run out of ART by Community

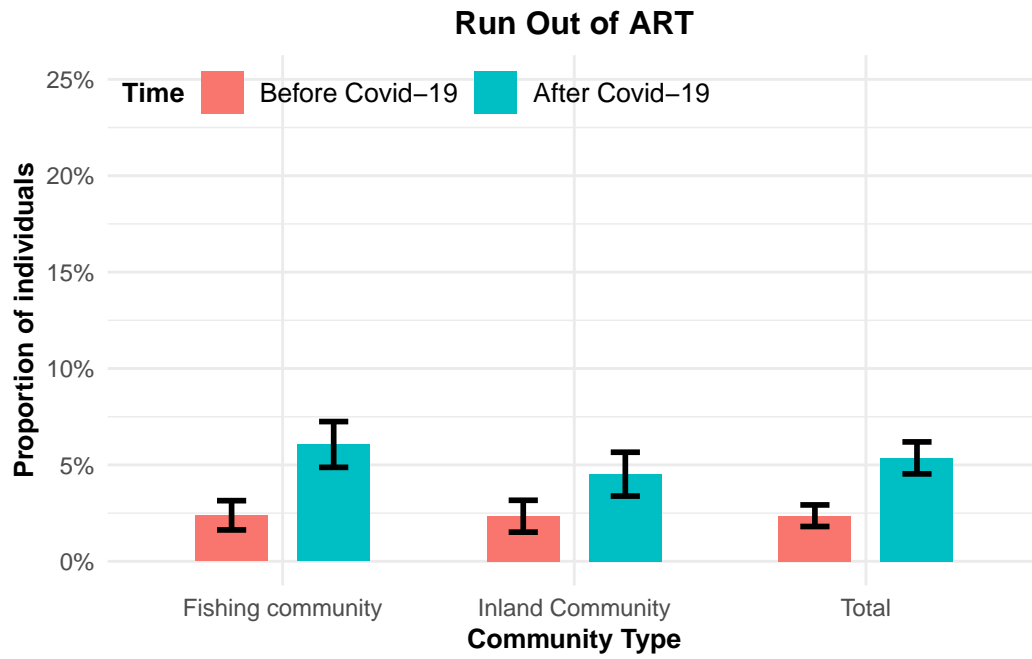
community_type	artrunbc	n
Inland Community	No	1253
Inland Community	Yes	30
Fishing community	No	1514
Fishing community	Yes	37

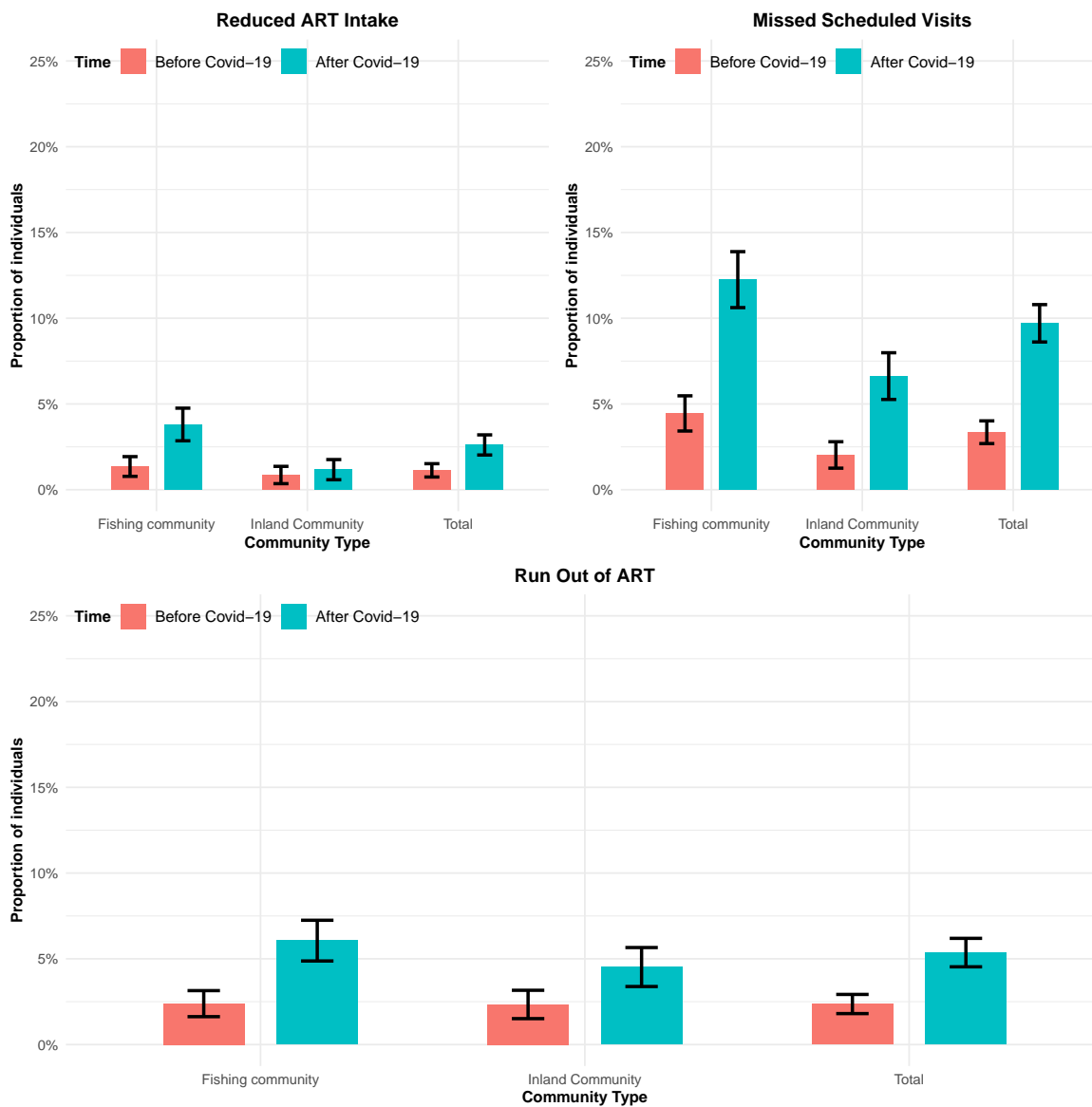
community_type	artrunac	n
Inland Community	No	1225
Inland Community	Yes	58
Fishing community	No	1457
Fishing community	Yes	94

time	community_type	n_yes	n	proportion	se	lower	upper
After Covid-19	Inland Community	58	1283	0.0452065	0.0058002	0.0338382	0.0565749
After Covid-19	Fishing community	94	1551	0.0606061	0.0060587	0.0487311	0.0724810
Before Covid-19	Inland Community	30	1283	0.0233827	0.0042189	0.0151137	0.0316517
Before Covid-19	Fishing community	37	1551	0.0238556	0.0038748	0.0162610	0.0314501
After Covid-19	Total	152	2834	0.0536344	0.0042321	0.0453396	0.0619293
Before Covid-19	Total	67	2834	0.0236415	0.0028539	0.0180478	0.0292352









Mobility

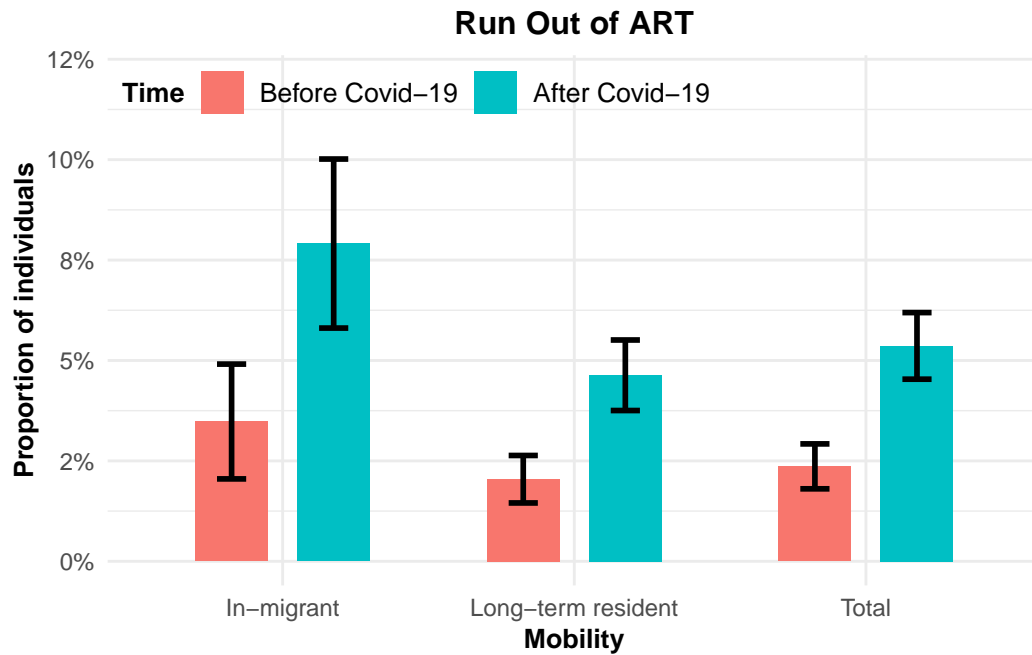
Run Out of ART by mobility

mobility	artrunbc	n
In-migrant	No	610
In-migrant	Yes	22

mobility	artrunbc	n
Long-term resident	No	2157
Long-term resident	Yes	45

mobility	artrunac	n
In-migrant	No	582
In-migrant	Yes	50
Long-term resident	No	2100
Long-term resident	Yes	102

time	mobility	n_yes	n	proportion	se	lower	upper
After Covid-19	In-migrant	50	632	0.0791139	0.0107367	0.0580700	0.1001579
After Covid-19	Long-term resident	102	2202	0.0463215	0.0044790	0.0375426	0.0551004
Before Covid-19	In-migrant	22	632	0.0348101	0.0072912	0.0205193	0.0491009
Before Covid-19	Long-term resident	45	2202	0.0204360	0.0030151	0.0145263	0.0263456
After Covid-19	Total	152	2834	0.0536344	0.0042321	0.0453396	0.0619293
Before Covid-19	Total	67	2834	0.0236415	0.0028539	0.0180478	0.0292352



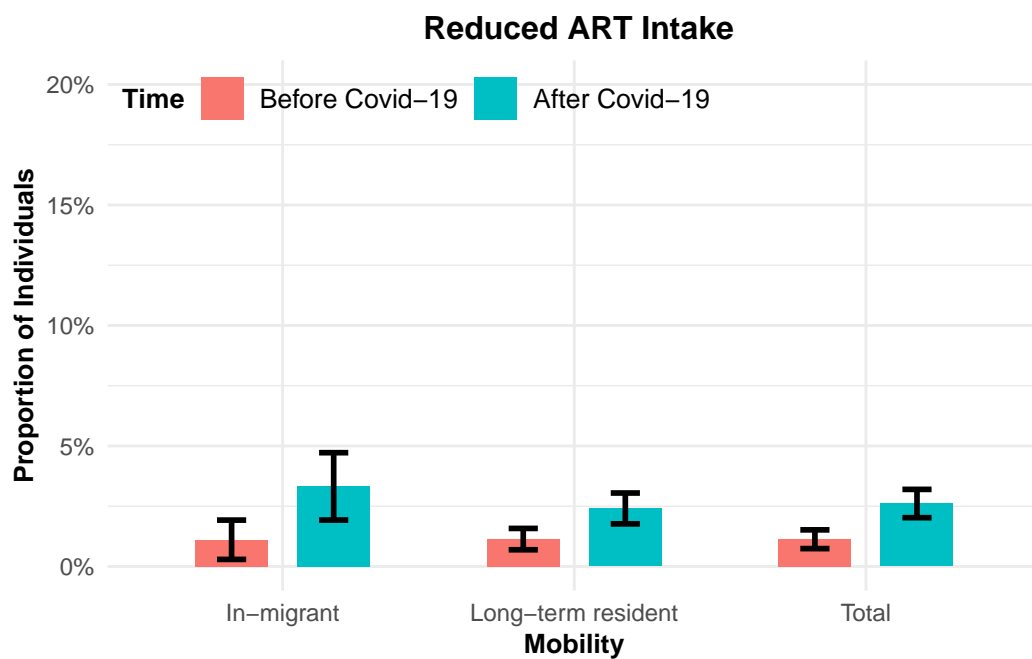
reduced ART Intake by mobility

mobility	artstrbc	n
In-migrant	No	625
In-migrant	Yes	7
Long-term resident	No	2177
Long-term resident	Yes	25

mobility	artstrac	n
In-migrant	No	611
In-migrant	Yes	21
Long-term resident	No	2149
Long-term resident	Yes	53

time	mobility	n_yes	n	proportion	se	lower	upper
After Covid-19	In-migrant	21	632	0.0332278	0.0071294	0.0192542	0.0472015

time	mobility	n_yes	n	proportion	se	lower	upper
After Covid-19	Long-term resident	53	2202	0.0240690	0.0032661	0.0176675	0.0304706
Before Covid-19	In-migrant	7	632	0.0110759	0.0041631	0.0029163	0.0192356
Before Covid-19	Long-term resident	25	2202	0.0113533	0.0022577	0.0069282	0.0157785
After Covid-19	Total	74	2834	0.0261115	0.0029955	0.0202403	0.0319827
Before Covid-19	Total	32	2834	0.0112915	0.0019848	0.0074013	0.0151816

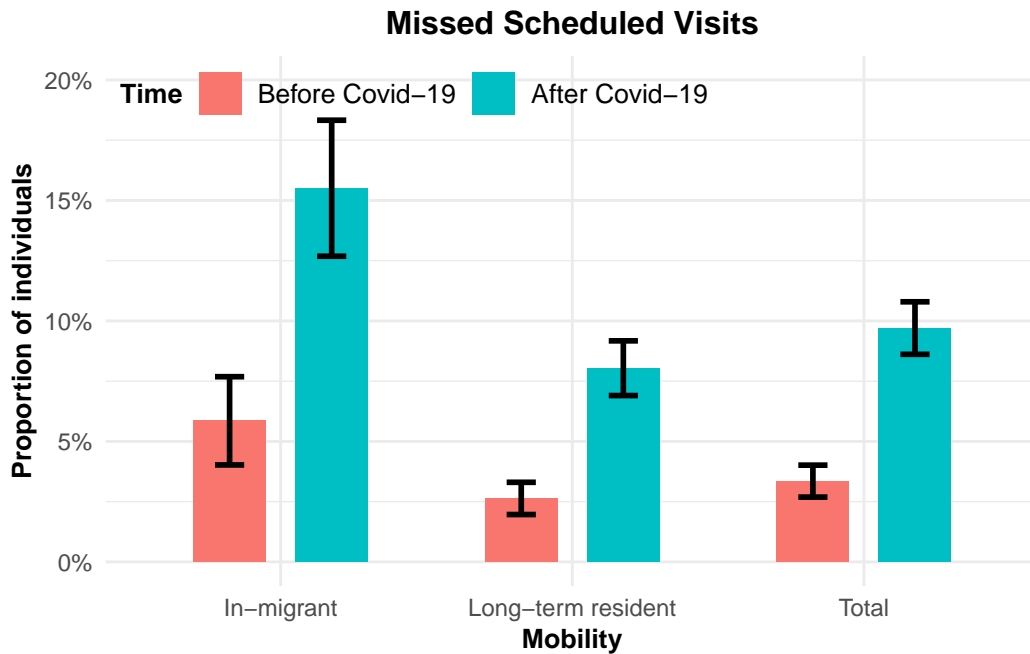


Missed scheduled visits by mobility

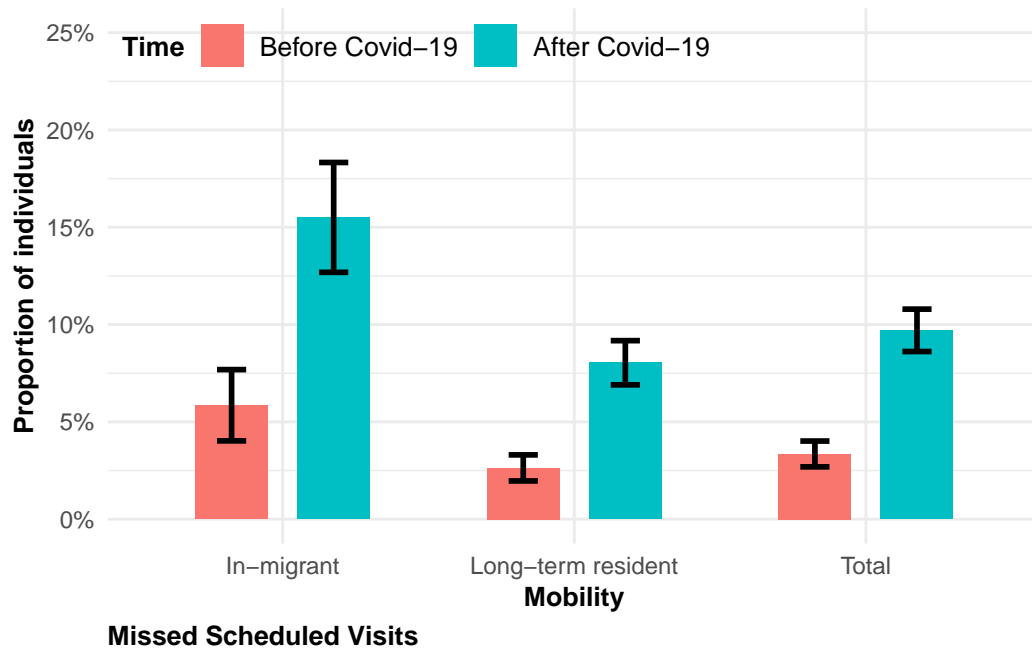
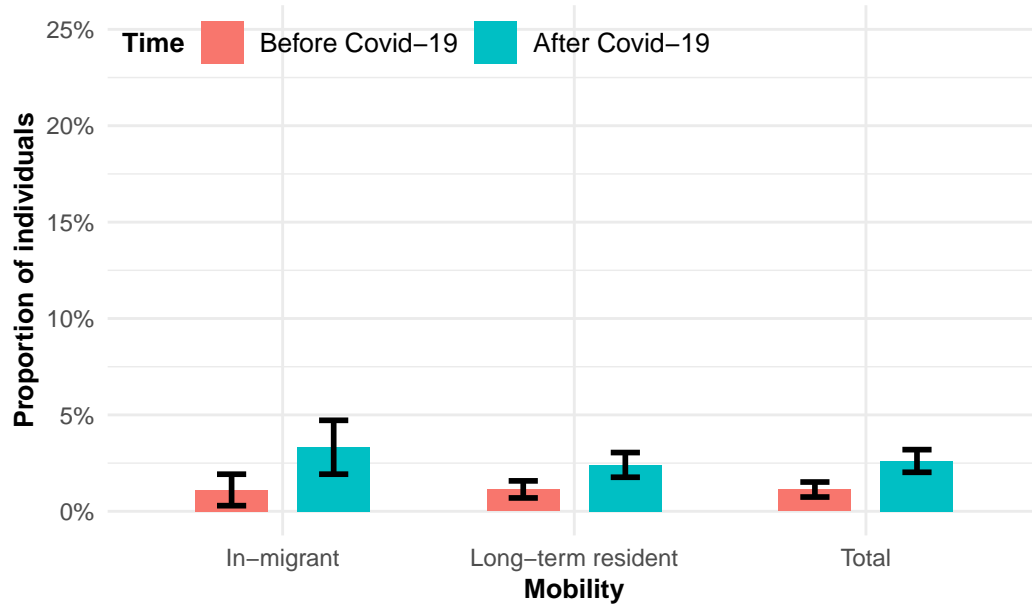
mobility	hivbc	n
In-migrant	No	595
In-migrant	Yes	37
Long-term resident	No	2144
Long-term resident	Yes	58

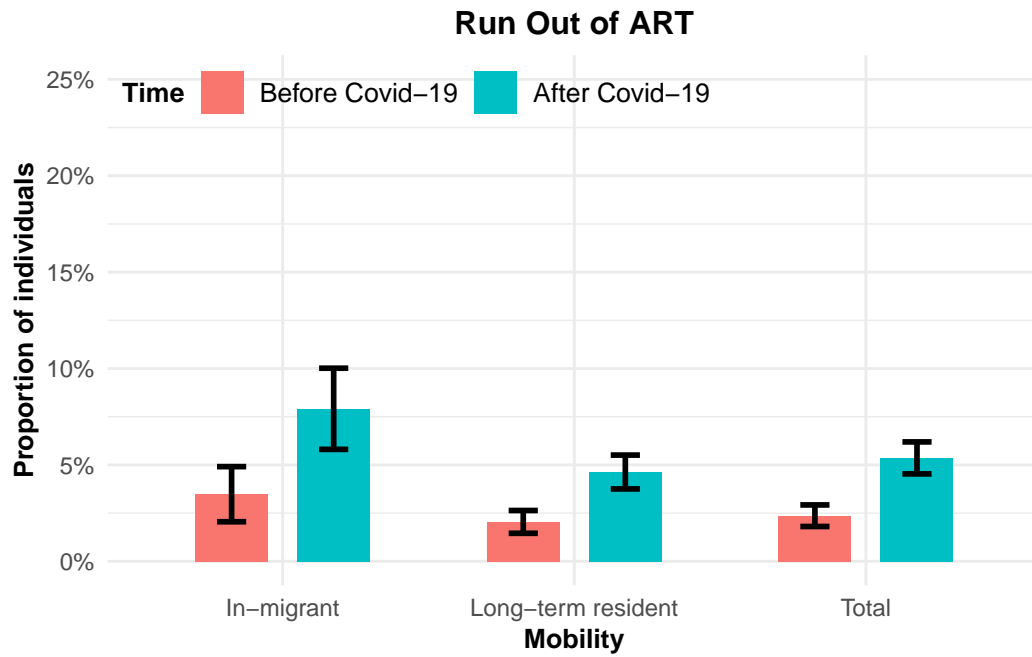
mobility	hivac	n
In-migrant	No	534
In-migrant	Yes	98
Long-term resident	No	2025
Long-term resident	Yes	177

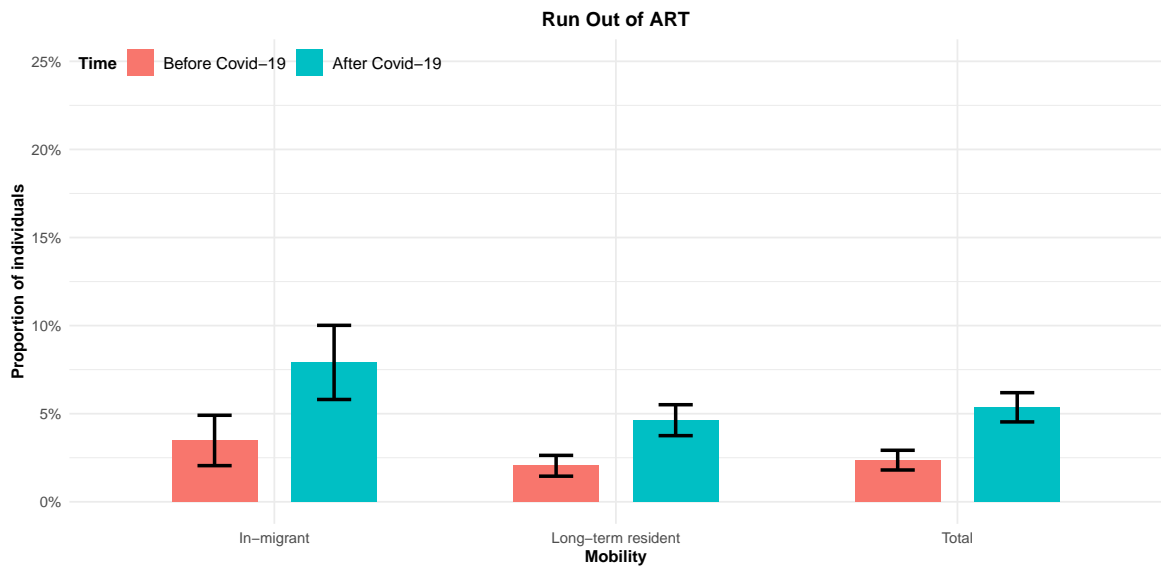
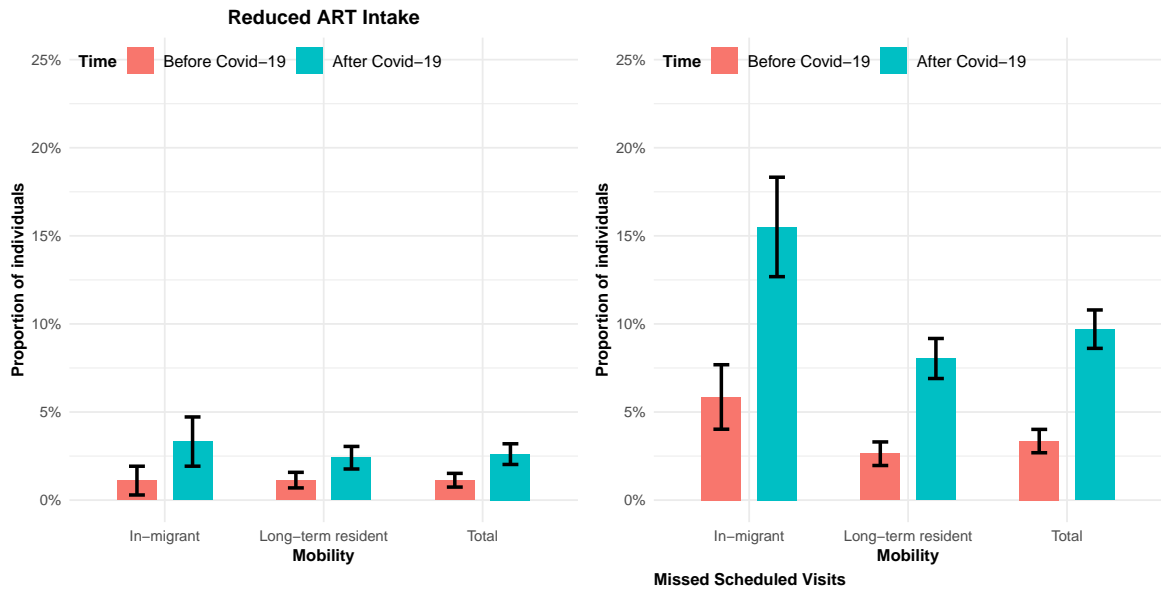
time	community_type	n_yes	n	proportion	se	lower	upper
After Covid-19	Inland Community	85	1283	0.0662510	0.0069438	0.0526411	0.0798608
After Covid-19	Fishing community	190	1551	0.1225016	0.0083251	0.1061845	0.1388188
Before Covid-19	Inland Community	26	1283	0.0202650	0.0039338	0.0125547	0.0279753
Before Covid-19	Fishing community	69	1551	0.0444874	0.0052352	0.0342265	0.0547484
After Covid-19	Total	275	2834	0.0970360	0.0055603	0.0861377	0.1079343
Before Covid-19	Total	95	2834	0.0335215	0.0033811	0.0268946	0.0401485



Reduced ART Intake







Age Categories

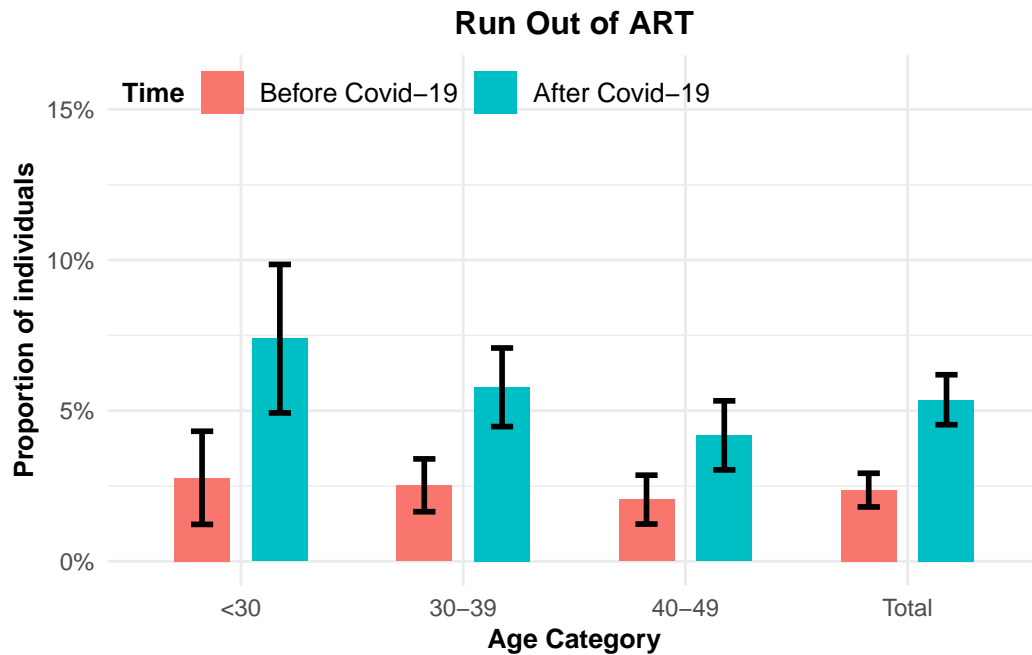
Run out of ART by Age Category

age_cat	artrunbc	n
<30	No	421
<30	Yes	12

age_cat	artrunbc	n
30-39	No	1198
30-39	Yes	31
40-49	No	1148
40-49	Yes	24

age_cat	artrunac	n
<30	No	401
<30	Yes	32
30-39	No	1158
30-39	Yes	71
40-49	No	1123
40-49	Yes	49

time	age_cat	n_yes	n	proportion	se	lower	upper
After Covid-19	<30	32	433	0.0739030	0.0125723	0.0492613	0.0985447
After Covid-19	30-39	71	1229	0.0577705	0.0066551	0.0447265	0.0708146
After Covid-19	40-49	49	1172	0.0418089	0.0058465	0.0303497	0.0532680
Before Covid-19	<30	12	433	0.0277136	0.0078886	0.0122520	0.0431753
Before Covid-19	30-39	31	1229	0.0252238	0.0044728	0.0164570	0.0339905
Before Covid-19	40-49	24	1172	0.0204778	0.0041370	0.0123693	0.0285863
After Covid-19	Total	152	2834	0.0536344	0.0042321	0.0453396	0.0619293
Before Covid-19	Total	67	2834	0.0236415	0.0028539	0.0180478	0.0292352

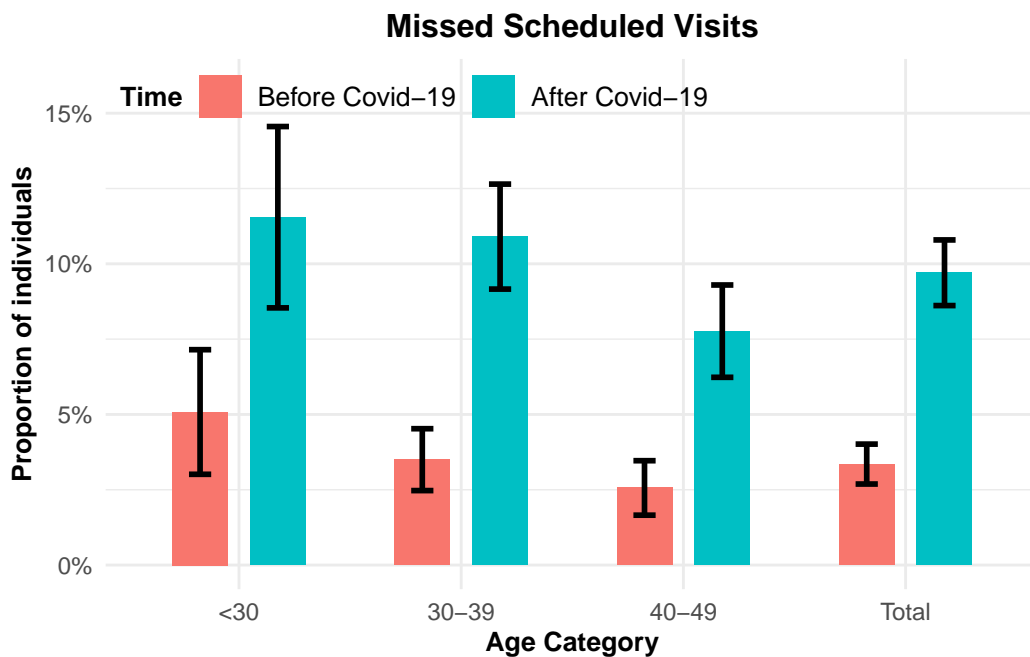


Missed Scheduled Visits by Age Category

age_cat	hivbc	n
<30	No	411
<30	Yes	22
30-39	No	1186
30-39	Yes	43
40-49	No	1142
40-49	Yes	30

age_cat	hivac	n
<30	No	383
<30	Yes	50
30-39	No	1095
30-39	Yes	134
40-49	No	1081
40-49	Yes	91

time	age_cat	n_yes	n	proportion	se	lower	upper
After Covid-19	<30	50	433	0.1154734	0.0153586	0.0853705	0.1455764
After Covid-19	30-39	134	1229	0.1090317	0.0088906	0.0916061	0.1264573
After Covid-19	40-49	91	1172	0.0776451	0.0078170	0.0623237	0.0929664
Before Covid-19	<30	22	433	0.0508083	0.0105536	0.0301233	0.0714934
Before Covid-19	30-39	43	1229	0.0349878	0.0052414	0.0247146	0.0452610
Before Covid-19	40-49	30	1172	0.0255973	0.0046132	0.0165554	0.0346391
After Covid-19	Total	275	2834	0.0970360	0.0055603	0.0861377	0.1079343
Before Covid-19	Total	95	2834	0.0335215	0.0033811	0.0268946	0.0401485



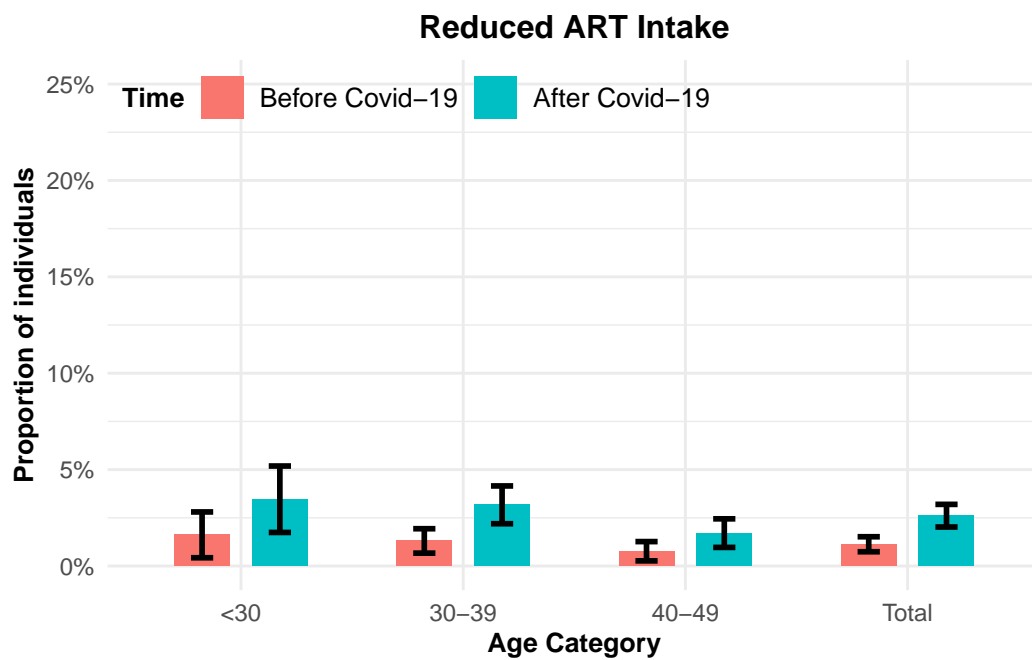
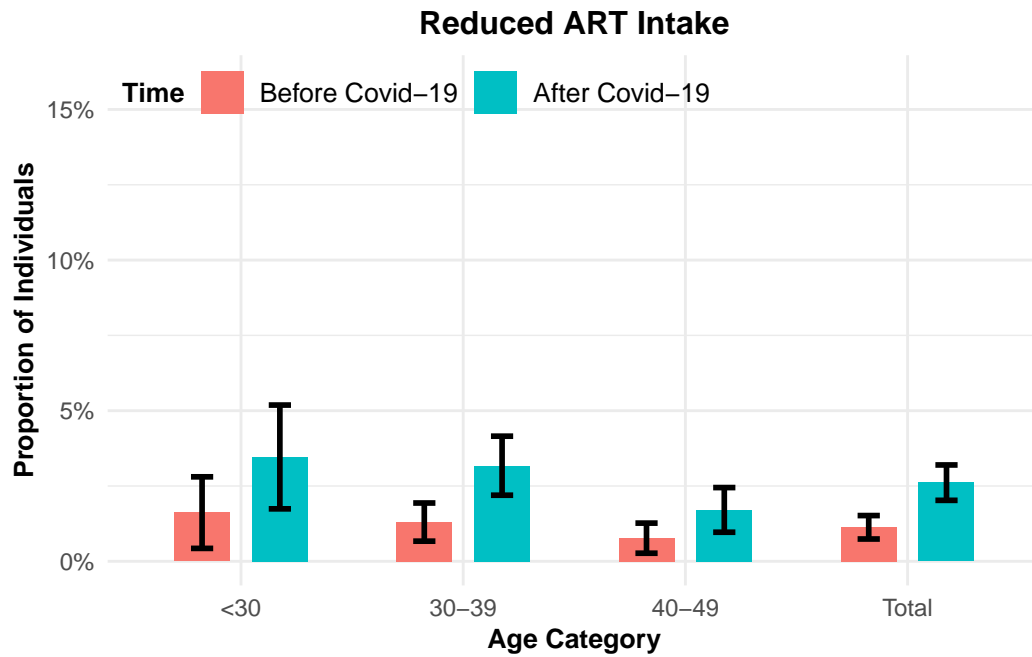
Reduced ART Intake by Age Category

age_cat	artstrbc	n
<30	No	426
<30	Yes	7
30-39	No	1213

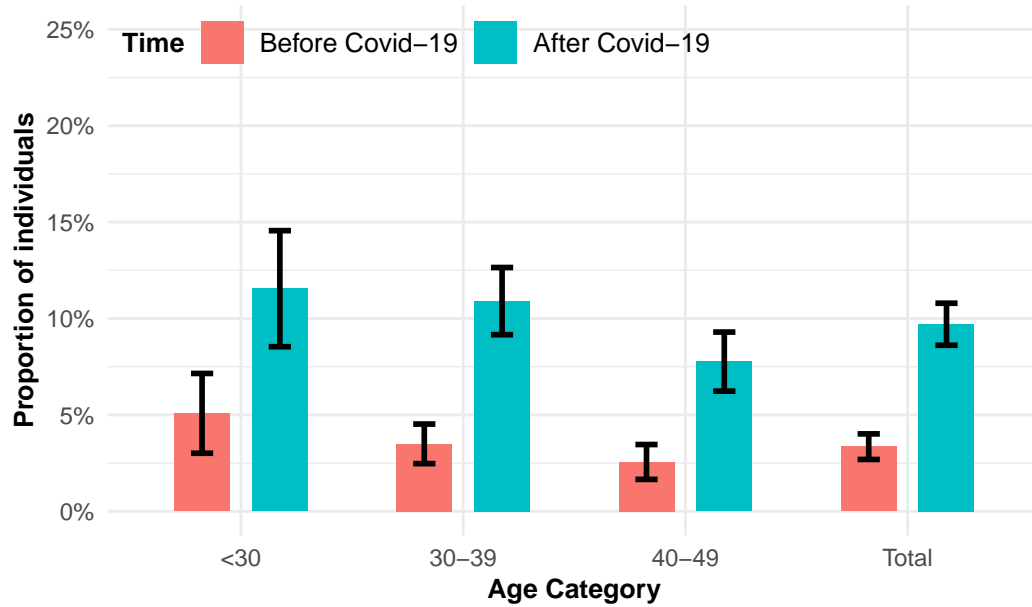
age_cat	artstrbc	n
30-39	Yes	16
40-49	No	1163
40-49	Yes	9

age_cat	artstrac	n
<30	No	418
<30	Yes	15
30-39	No	1190
30-39	Yes	39
40-49	No	1152
40-49	Yes	20

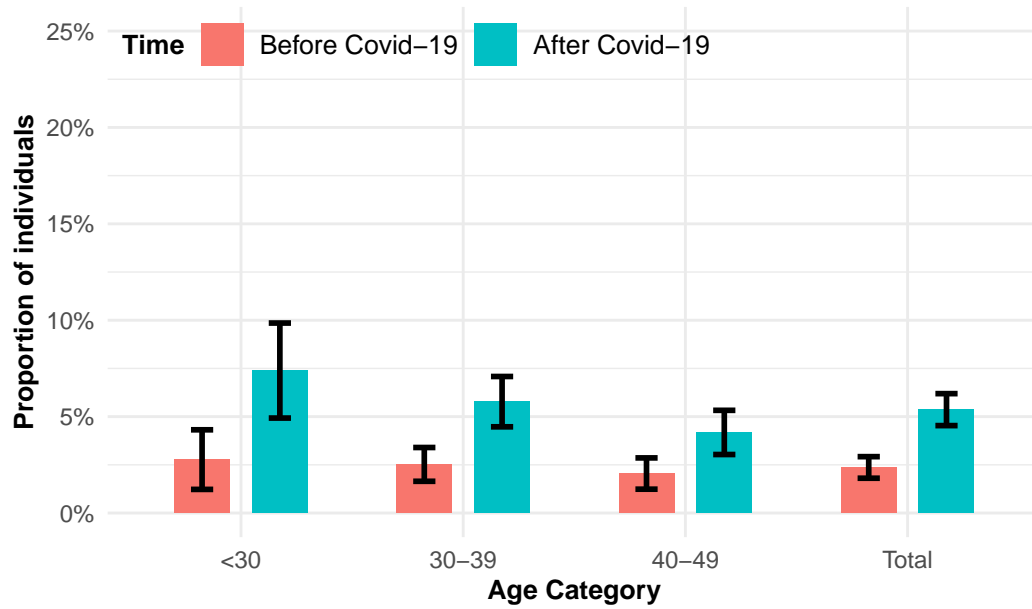
time	age_cat	n_yes	n	proportion	se	lower	upper
After Covid-19	<30	15	433	0.0346420	0.0087882	0.0174171	0.0518670
After Covid-19	30-39	39	1229	0.0317331	0.0050001	0.0219329	0.0415333
After Covid-19	40-49	20	1172	0.0170648	0.0037831	0.0096499	0.0244798
Before Covid-19	<30	7	433	0.0161663	0.0060607	0.0042873	0.0280452
Before Covid-19	30-39	16	1229	0.0130187	0.0032334	0.0066812	0.0193562
Before Covid-19	40-49	9	1172	0.0076792	0.0025499	0.0026814	0.0126769
After Covid-19	Total	74	2834	0.0261115	0.0029955	0.0202403	0.0319827
Before Covid-19	Total	32	2834	0.0112915	0.0019848	0.0074013	0.0151816

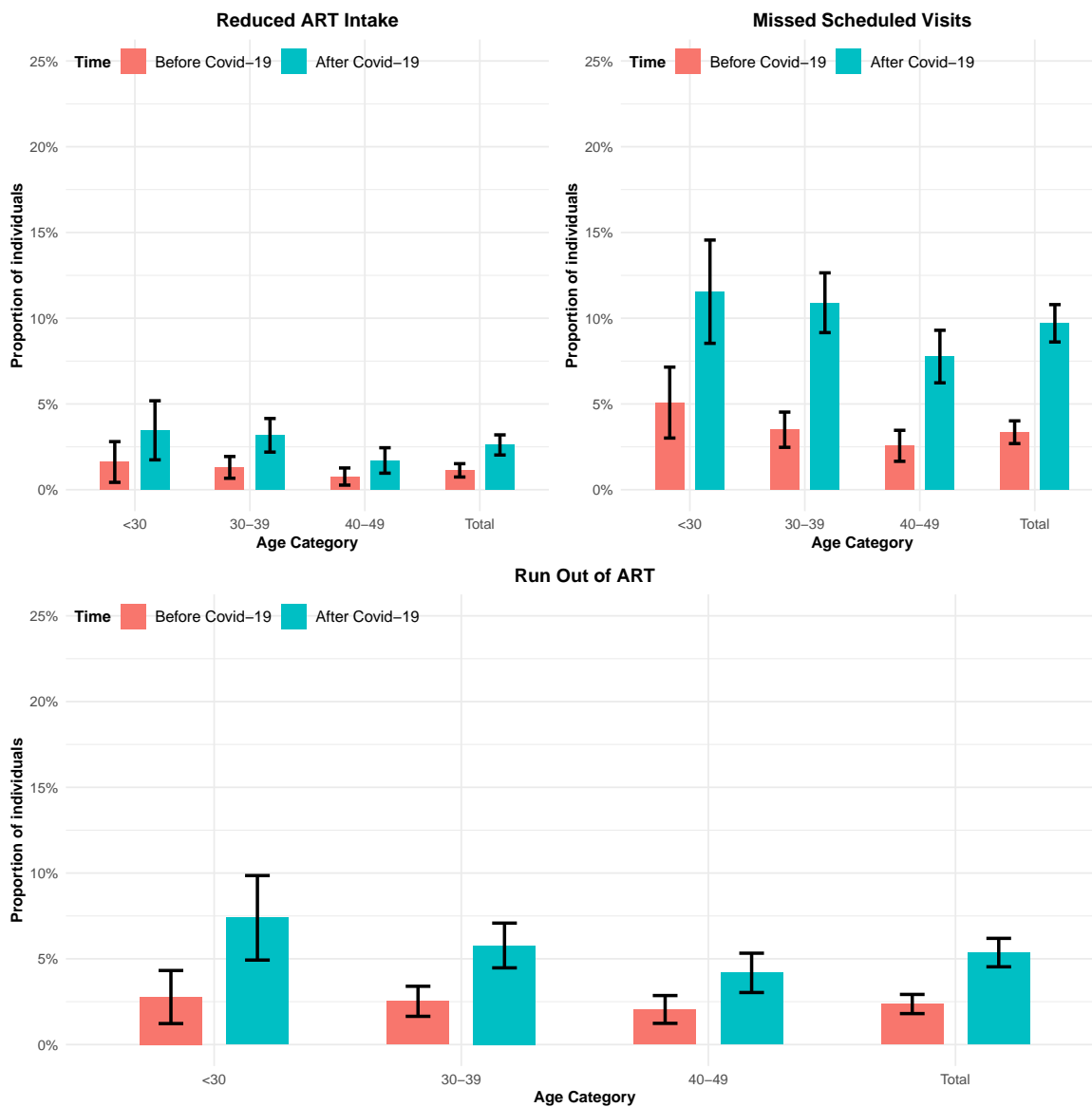


Missed Scheduled Visits



Run Out of ART





ART Duration

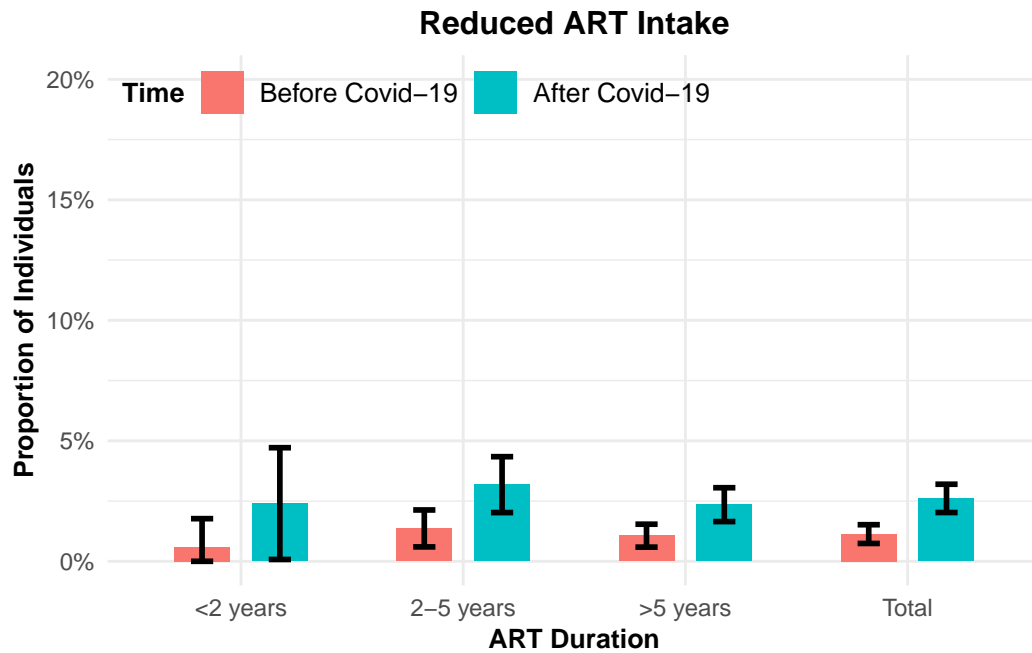
art_duration	artstrbc	n
<2 years	No	166
<2 years	Yes	1
2-5 years	No	868

art_duration	artstrbc	n
2-5 years	Yes	12
>5 years	No	1768
>5 years	Yes	19

art_duration	artstrac	n
<2 years	No	163
<2 years	Yes	4
2-5 years	No	852
2-5 years	Yes	28
>5 years	No	1745
>5 years	Yes	42

Reduced ART intake by ART duration

time	art_duration	n_yes	n	proportion	se	lower	upper
After Covid-19	<2 years	4	167	0.0239521	0.0118318	0.0007619	0.0471423
After Covid-19	2-5 years	28	880	0.0318182	0.0059166	0.0202216	0.0434148
After Covid-19	>5 years	42	1787	0.0235031	0.0035837	0.0164790	0.0305272
Before Covid-19	<2 years	1	167	0.0059880	0.0059701	0.0000000	0.0176894
Before Covid-19	2-5 years	12	880	0.0136364	0.0039095	0.0059737	0.0212991
Before Covid-19	>5 years	19	1787	0.0106323	0.0024262	0.0058769	0.0153877
After Covid-19	Total	74	2834	0.0261115	0.0029955	0.0202403	0.0319827
Before Covid-19	Total	32	2834	0.0112915	0.0019848	0.0074013	0.0151816

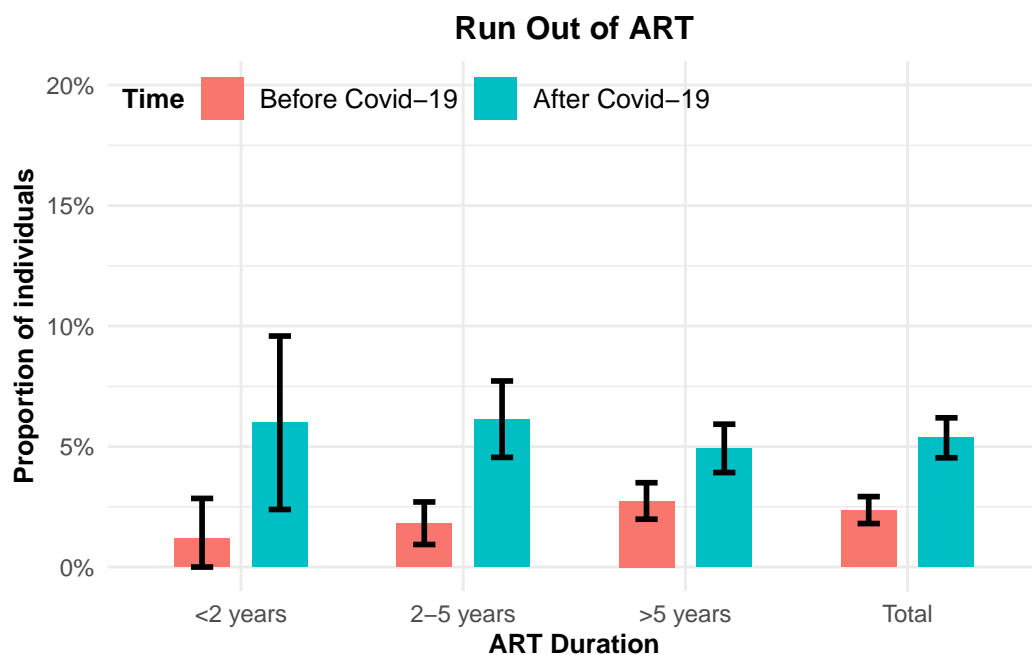


Run out of ART by ART Duration

art_duration	artrunbc	n
<2 years	No	165
<2 years	Yes	2
2-5 years	No	864
2-5 years	Yes	16
>5 years	No	1738
>5 years	Yes	49

art_duration	artrunac	n
<2 years	No	157
<2 years	Yes	10
2-5 years	No	826
2-5 years	Yes	54
>5 years	No	1699
>5 years	Yes	88

time	art_duration	n_yes	n	proportion	se	lower	upper
After Covid-19	<2 years	10	167	0.0598802	0.0183601	0.0238944	0.0958660
After Covid-19	2-5 years	54	880	0.0613636	0.0080903	0.0455067	0.0772206
After Covid-19	>5 years	88	1787	0.0492445	0.0051186	0.0392121	0.0592770
Before Covid-19	<2 years	2	167	0.0119760	0.0084175	0.0000000	0.0284743
Before Covid-19	2-5 years	16	880	0.0181818	0.0045039	0.0093541	0.0270095
Before Covid-19	>5 years	49	1787	0.0274203	0.0038631	0.0198486	0.0349919
After Covid-19	Total	152	2834	0.0536344	0.0042321	0.0453396	0.0619293
Before Covid-19	Total	67	2834	0.0236415	0.0028539	0.0180478	0.0292352



Missed Scheduled visit by ART Duration

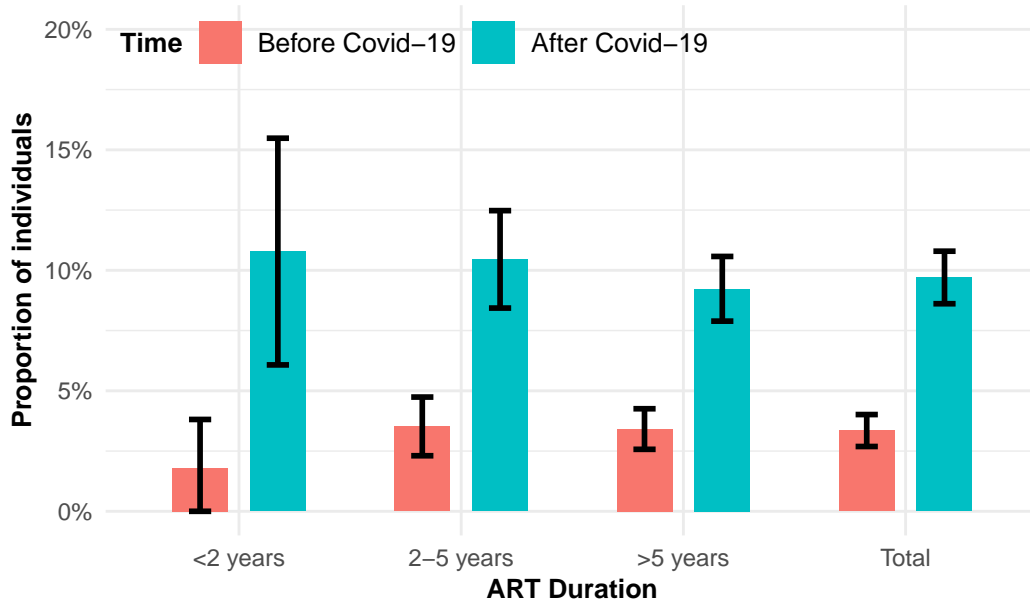
art_duration	hivbc	n
<2 years	No	164
<2 years	Yes	3
2-5 years	No	849

art_duration	hivbc	n
2-5 years	Yes	31
>5 years	No	1726
>5 years	Yes	61

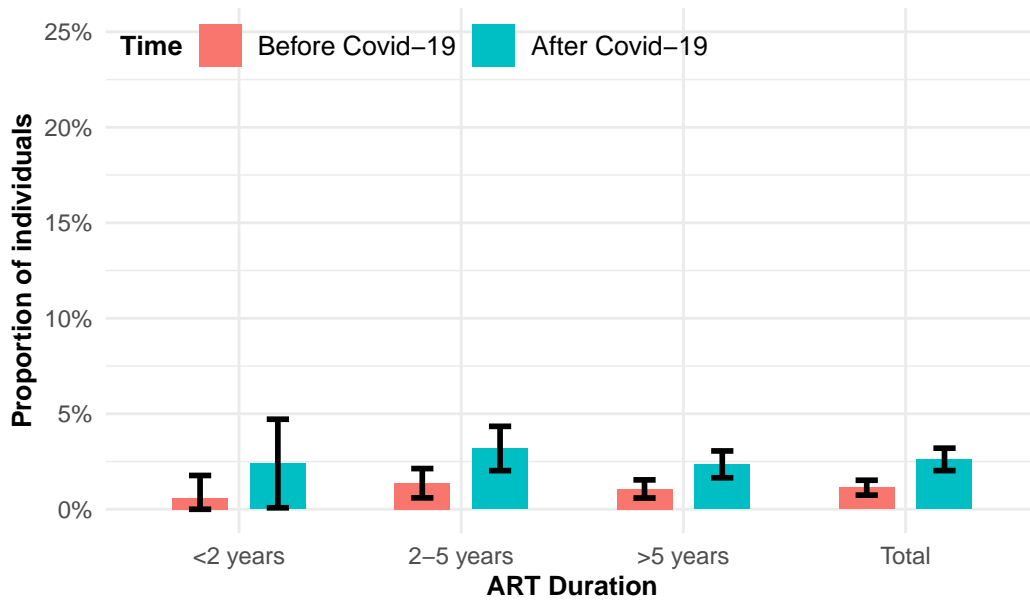
art_duration	hivac	n
<2 years	No	149
<2 years	Yes	18
2-5 years	No	788
2-5 years	Yes	92
>5 years	No	1622
>5 years	Yes	165

time	art_duration	n_yes	n	proportion	se	lower	upper
After Covid-19	<2 years	18	167	0.1077844	0.0239969	0.0607506	0.1548183
After Covid-19	2-5 years	92	880	0.1045455	0.0103141	0.0843297	0.1247612
After Covid-19	>5 years	165	1787	0.0923335	0.0068483	0.0789109	0.1057561
Before Covid-19	<2 years	3	167	0.0179641	0.0102780	0.0000000	0.0381089
Before Covid-19	2-5 years	31	880	0.0352273	0.0062146	0.0230467	0.0474078
Before Covid-19	>5 years	61	1787	0.0341354	0.0042953	0.0257165	0.0425543
After Covid-19	Total	275	2834	0.0970360	0.0055603	0.0861377	0.1079343
Before Covid-19	Total	95	2834	0.0335215	0.0033811	0.0268946	0.0401485

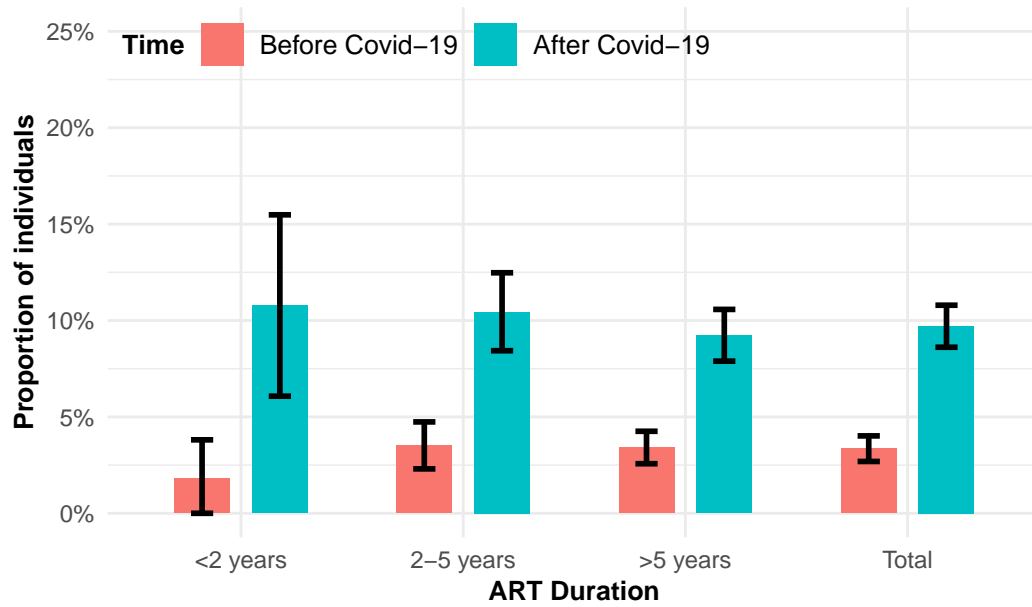
Missed Scheduled Visits



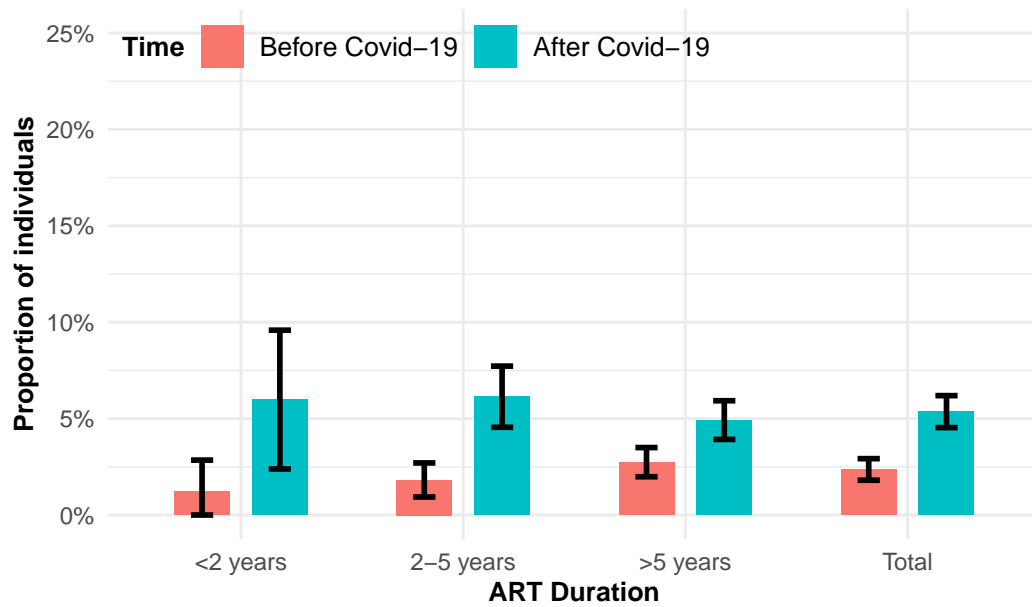
Reduced ART Intake

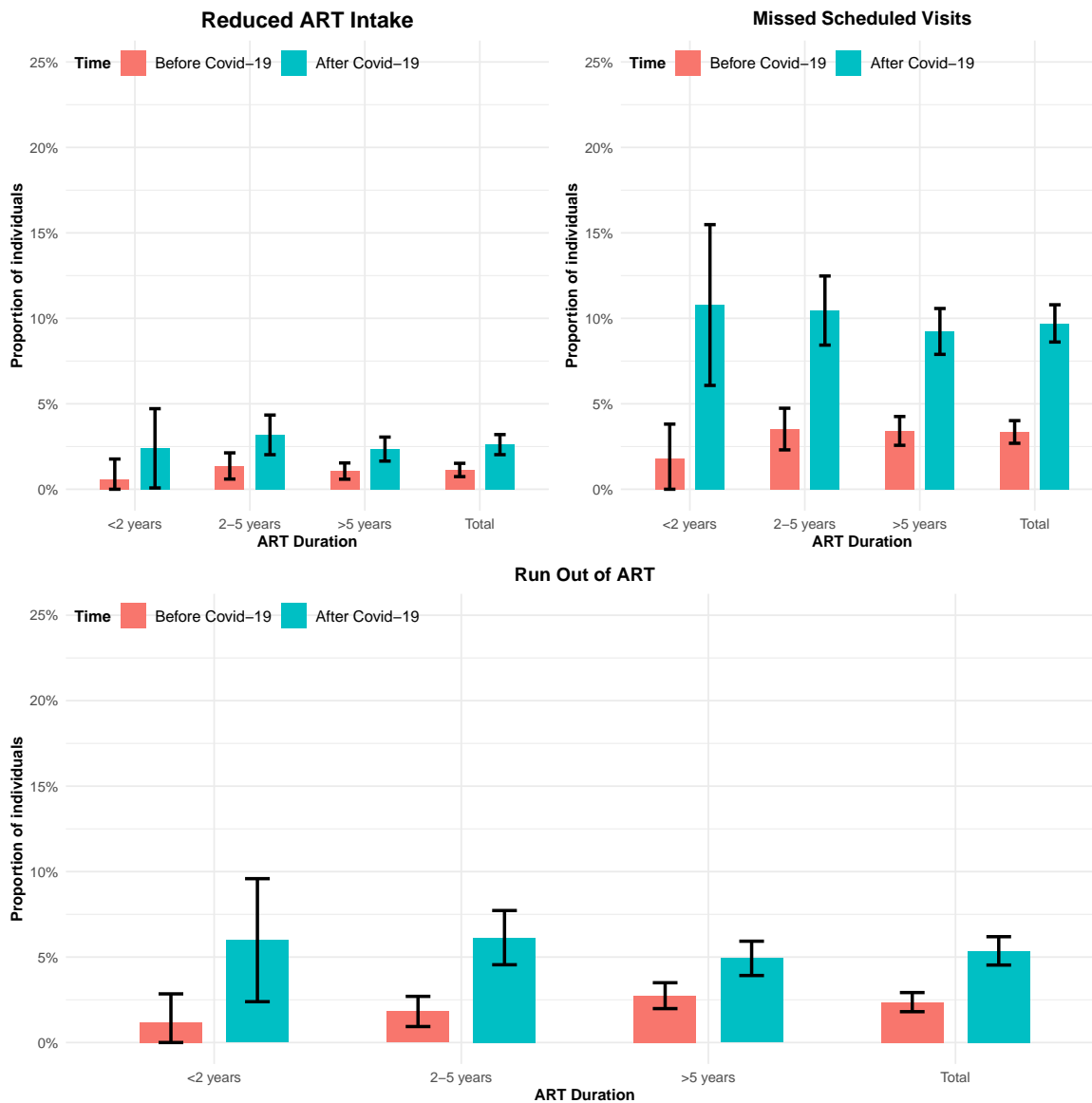


Missed Scheduled Visits



Run Out of ART



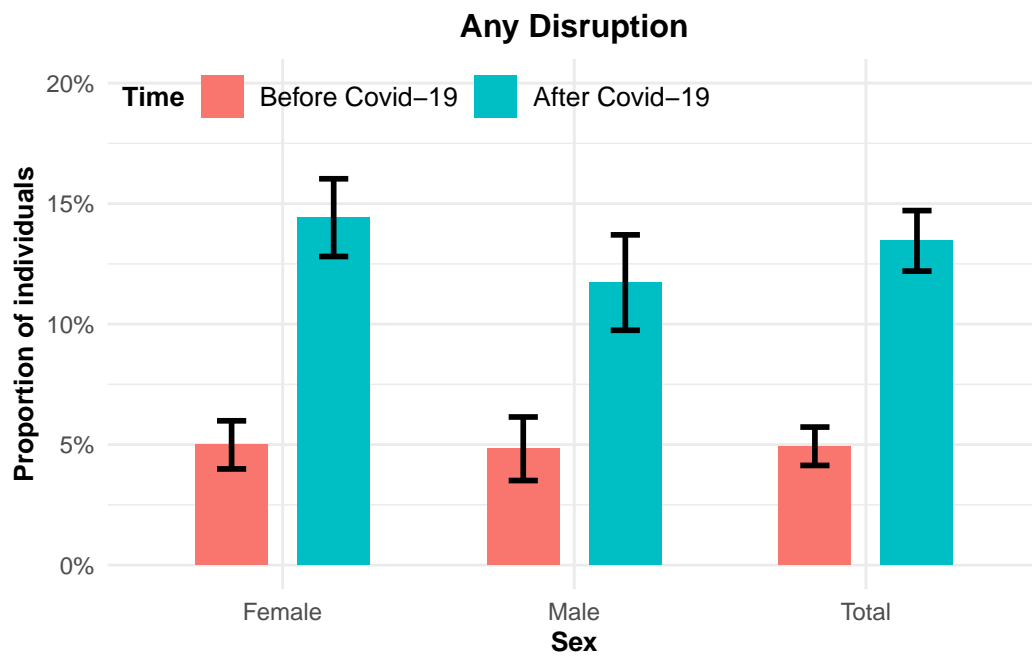


Any disruption subplots

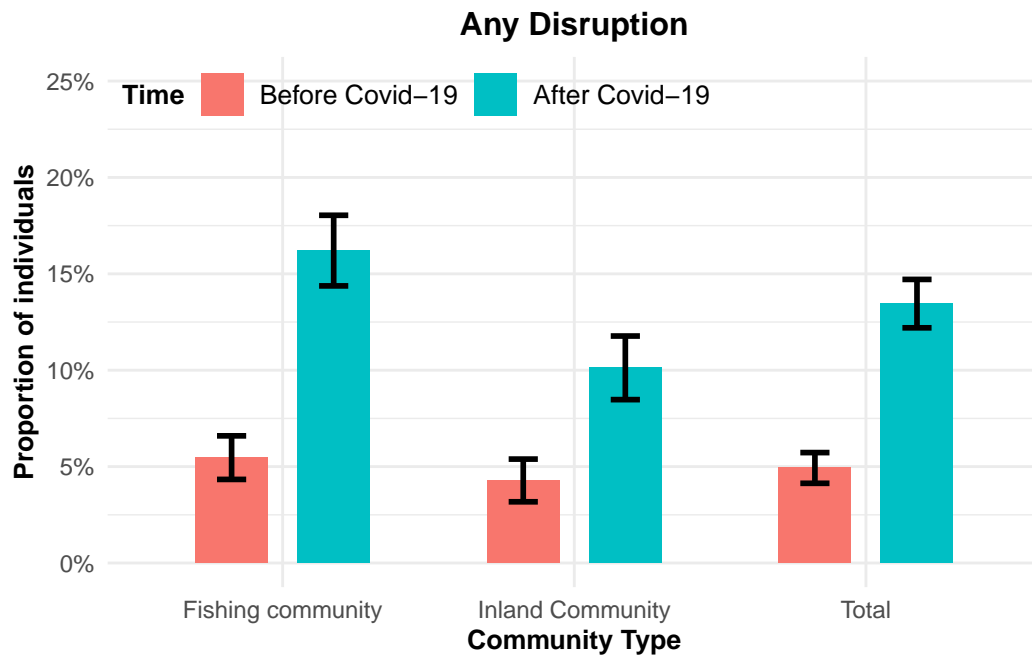
0 1
2699 140

0 1
2457 382

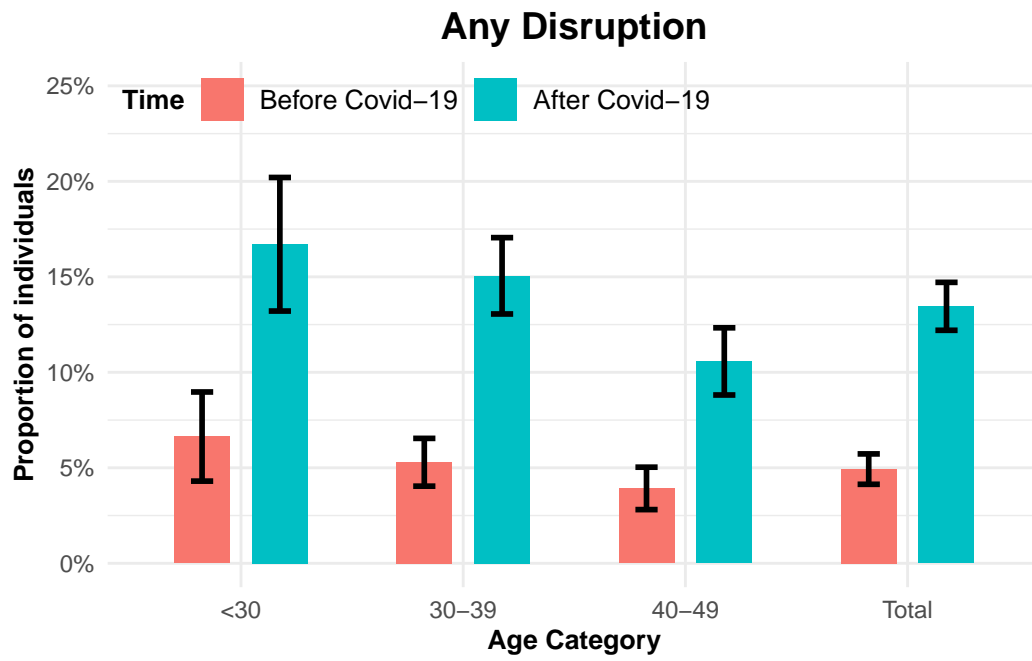
Any Disruption by Sex



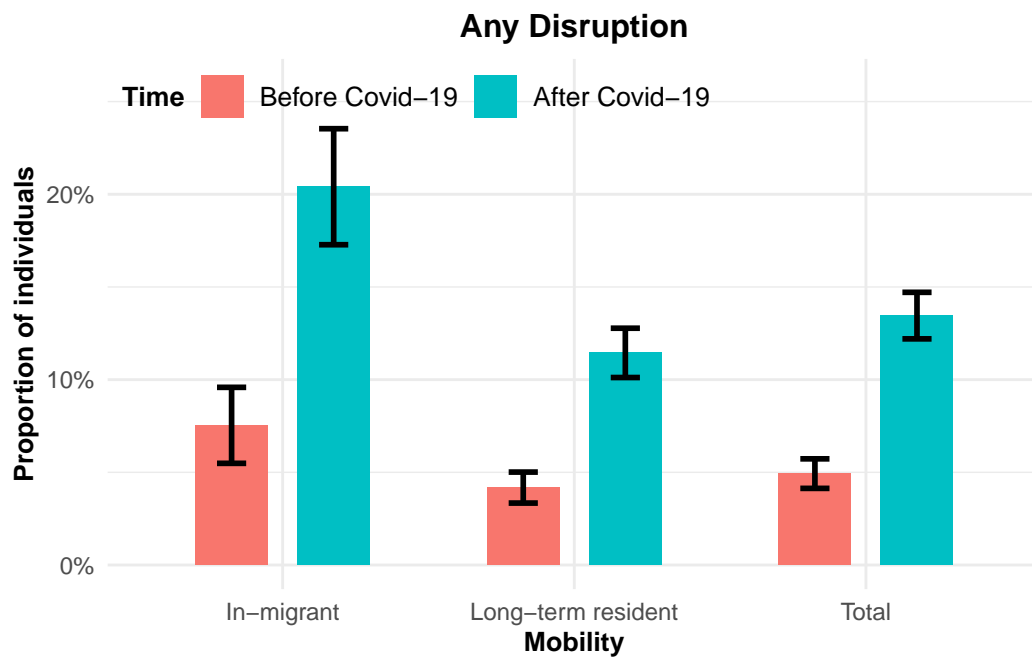
Any disruption by community type



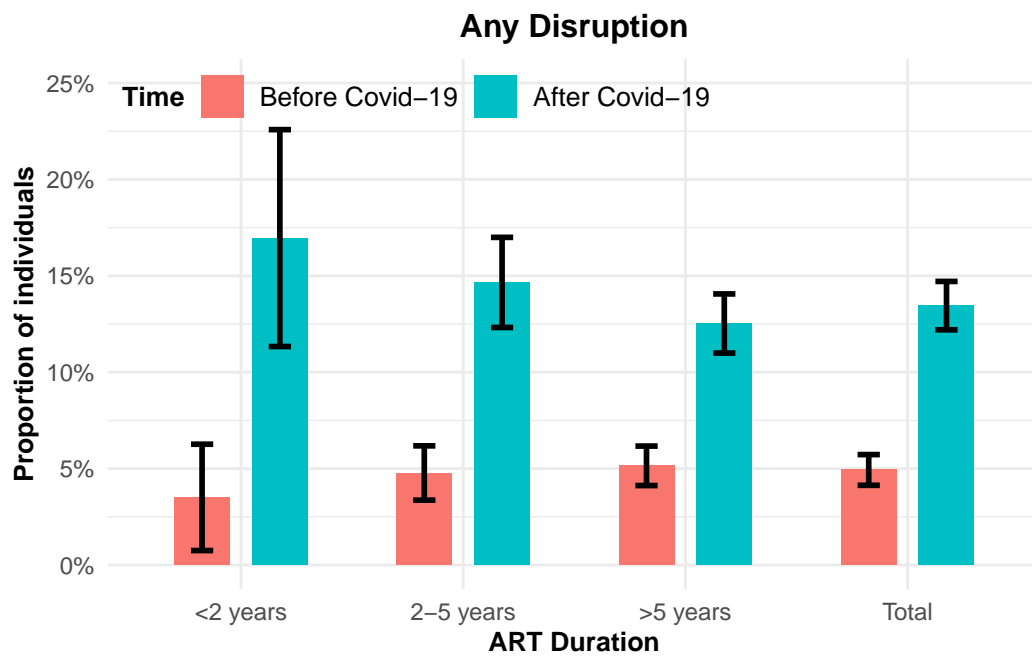
Any disruption by age category



Any Disruption By Mobility

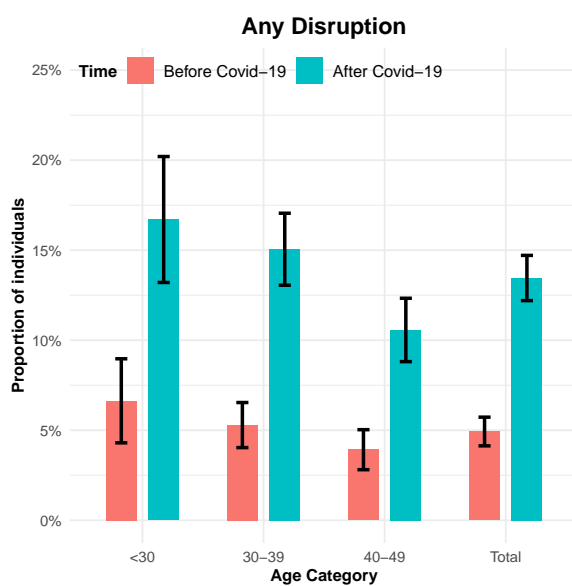
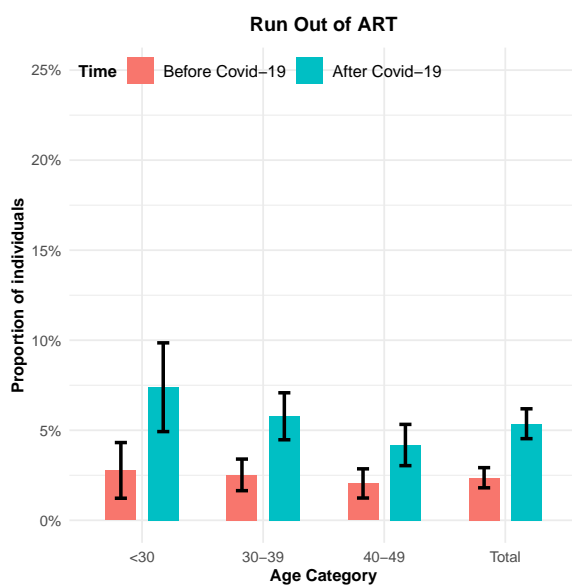
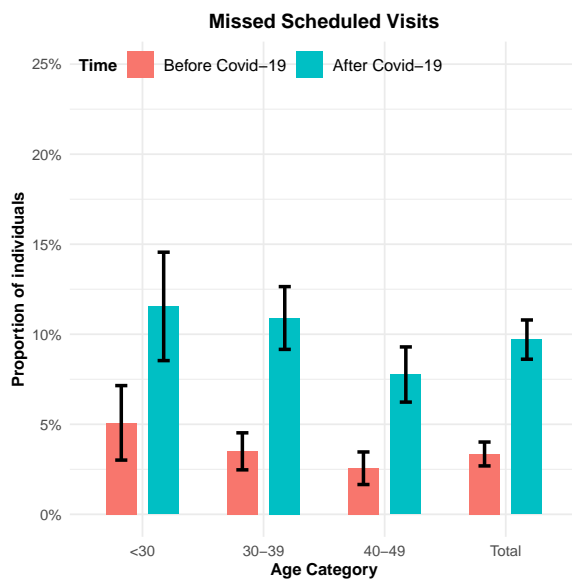
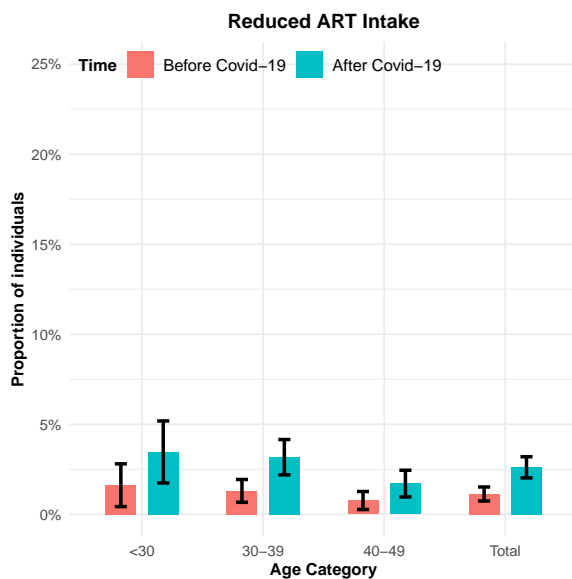


Any Disruption by ART duration

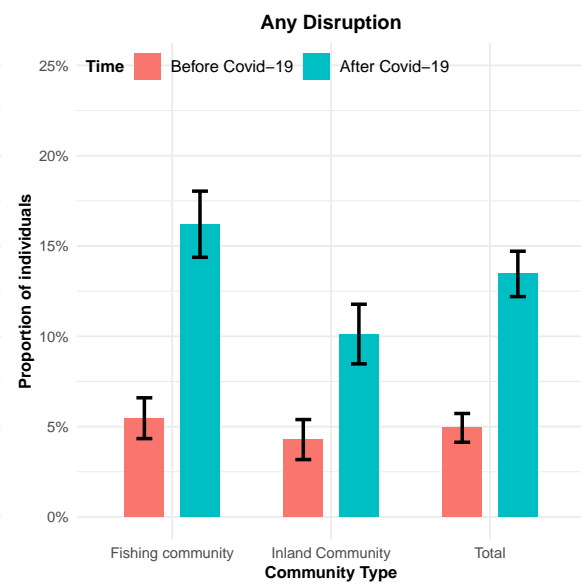
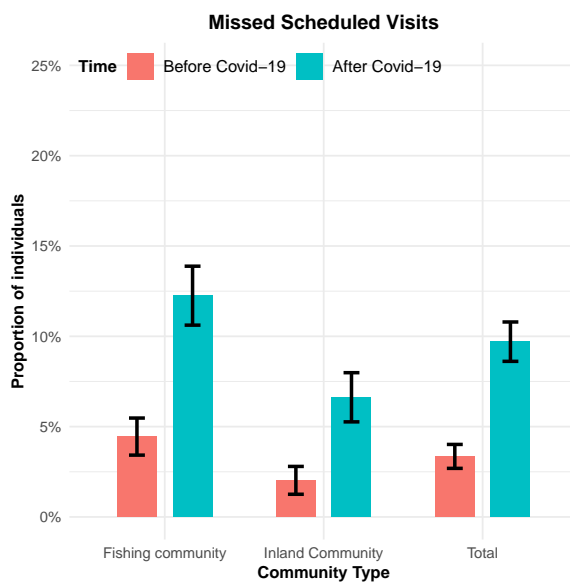
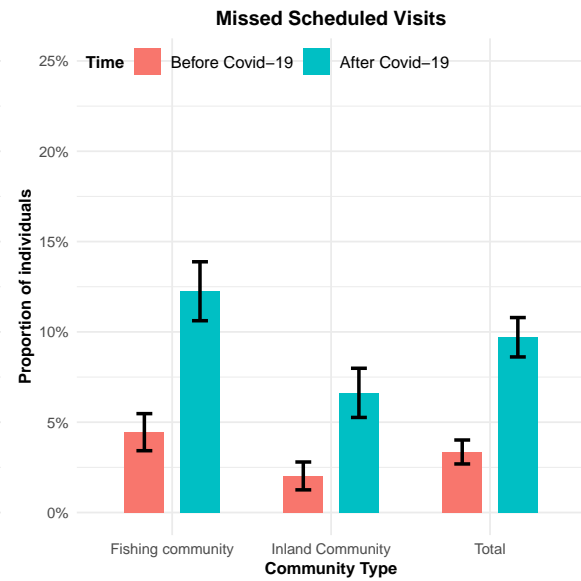
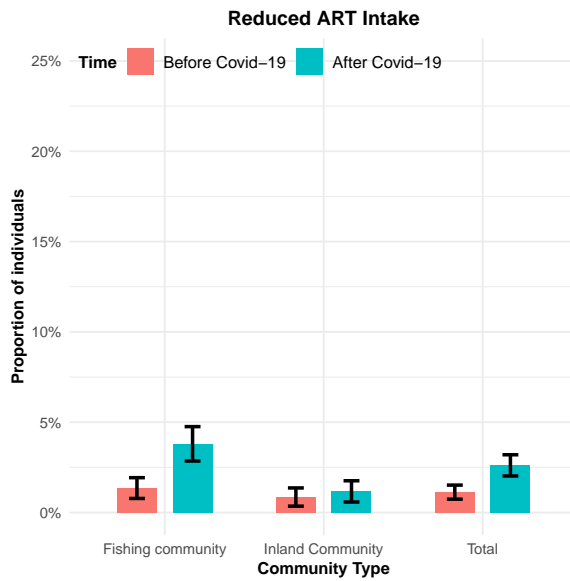


Combined Plots

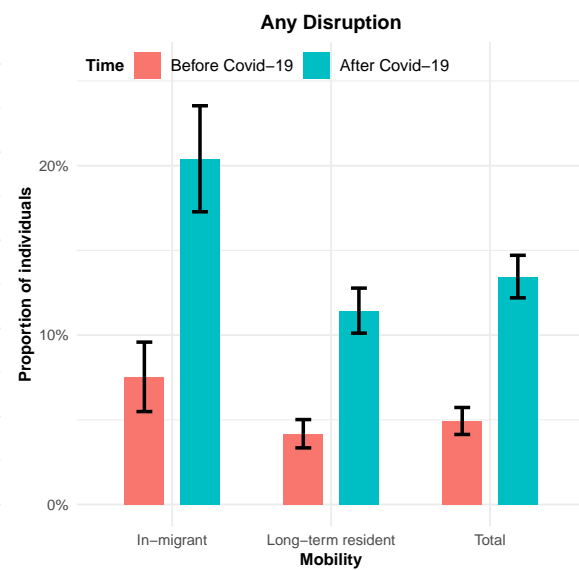
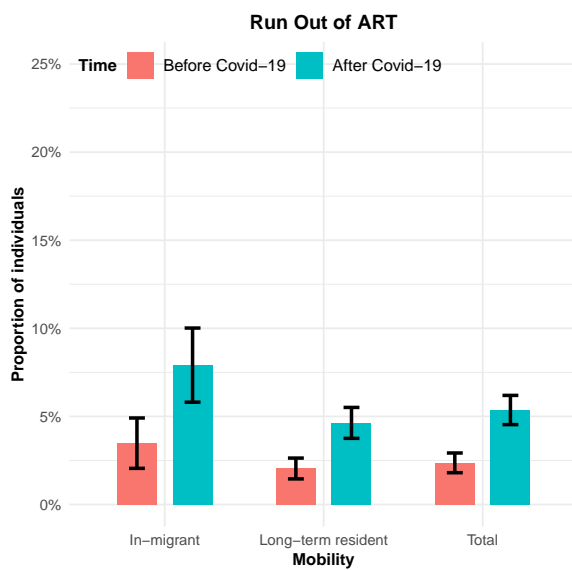
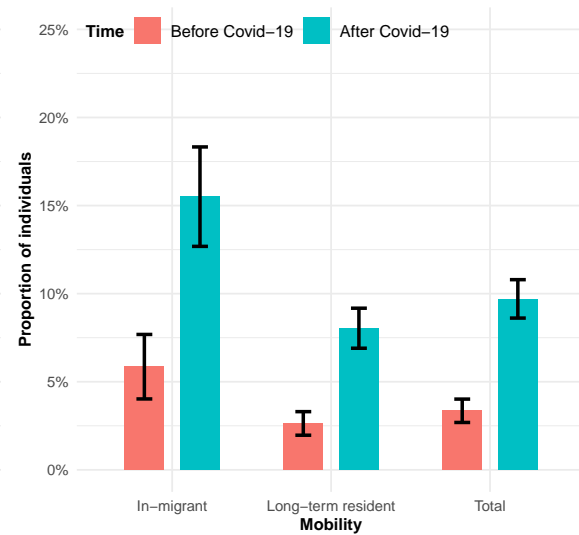
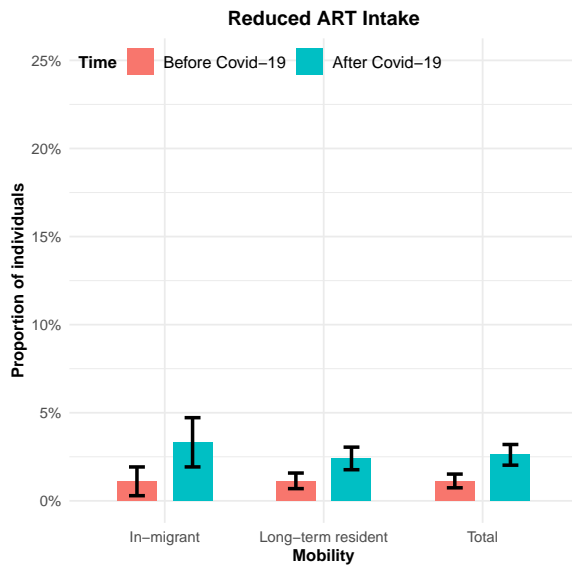
Age category



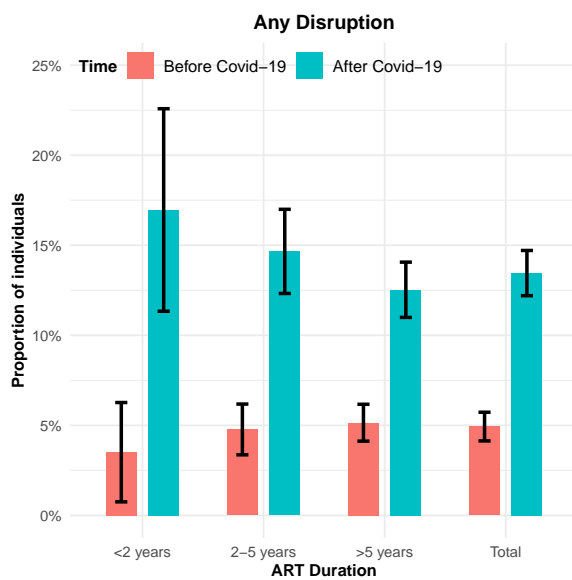
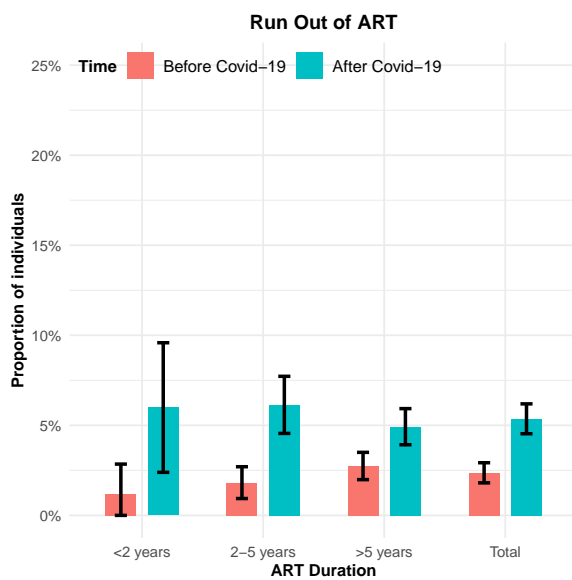
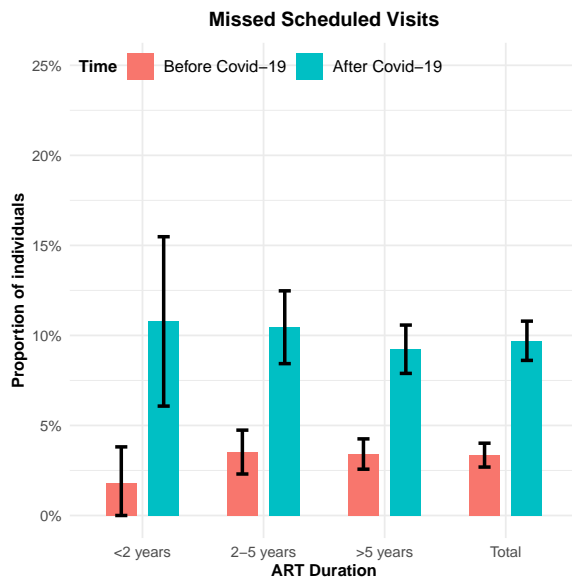
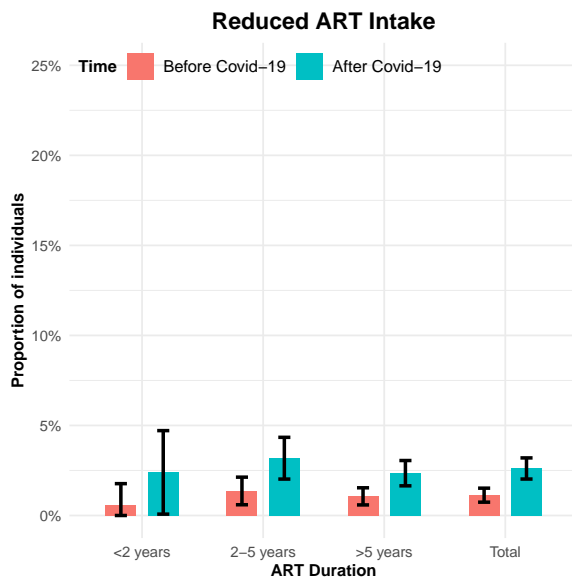
Community type



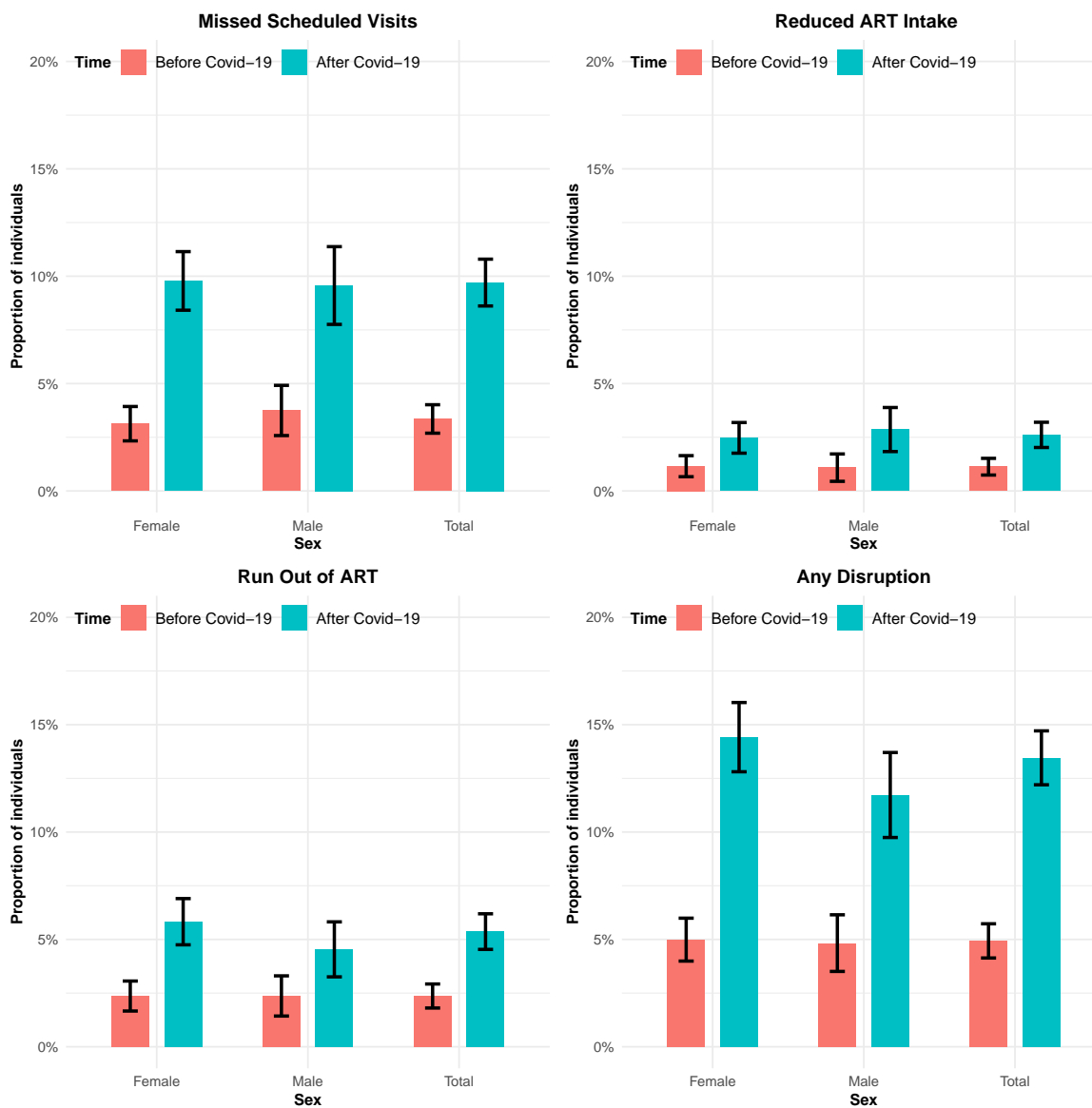
Mobility



ART Duration



Sex



VIRAEMIA PREVALENCE

	Outcome +	Outcome -	Total	Inc risk *
Exposed +	28	347	375	7.47 (5.02 to 10.61)
Exposed -	107	2303	2410	4.44 (3.65 to 5.34)
Total	135	2650	2785	4.85 (4.08 to 5.71)

Point estimates and 95% CIs:

```
-----
Inc risk ratio          1.68 (1.13, 2.51)
Inc odds ratio          1.74 (1.13, 2.67)
Attrib risk in the exposed * 3.03 (0.24, 5.81)
Attrib fraction in the exposed (%) 40.54 (11.15, 60.20)
Attrib risk in the population * 0.41 (-0.74, 1.55)
Attrib fraction in the population (%) 8.41 (0.42, 15.76)
-----
```

Uncorrected chi2 test that OR = 1: chi2(1) = 6.446 Pr>chi2 = 0.011

Fisher exact test that OR = 1: Pr>chi2 = 0.019

Wald confidence limits

CI: confidence interval

* Outcomes per 100 population units

Table 46: Cross-Tabulation with Prevalence Ratios and Confidence Intervals

	No	Yes	Prevalence Ratio	95% Confidence Interval
Viraemia, n				
(%)				
No	2,303 (87%)	347 (13%)		
Yes	107 (79%)	28 (21%)	1.58	(1.05–2.28)