Note: This is Online Appendix 1 of Mohamed R, White TM, Lazarus JV, et al. COVID-19 vaccine acceptance and associated factors among people living with HIV in the Middle East and North Africa region. S Afr J HIV Med. 2022;23(1), a1391. https://doi.org/10.4102/sajhivmed.v23i1.1391

Appendix 1, Table 1. COVID-19 health belief model (n=540)

	Strongly agree		Ag	ree	Neither agree		Disagree		Strongly	
					nor disagree				disagree	
Variables of Perceived Risk of Con-	tracting (COVID-19								
COVID-19 is a dangerous health	181	33.5%	276	51.1%	56	10.4%	14	2.6%	13	2.4%
threat especially to me as a										
patient with chronic disease.										
My chance of getting COVID-19 in	54	10%	177	32.8%	147	27.2%	119	22%	43	8%
the next few months is great										
If I get COVID -19,I will be very	84	15.6%	204	37.8%	123	22.8%	99	18.3%	28	5.2%
sick and probably need										
hospitalization										
Perceived Benefits of COVID-19 Va	ıccinatioı	า								
COVID-19 can be prevented by	100	18.5%	230	42.6%	128	23.7%	62	11.5%	20	3.7%
vaccination.										
Vaccination is a good idea	130	23.1%	238	44.1%	118	21.9%	40	7.4%	14	2.6%
because I will feel less worried										
about getting COVID-19.										
Perceived Barriers of COVID-19 Va	ccination	<u> </u>								

I've heard my HIV medicines	33	6.1%	129	23.9%	173	32%	99	18.3%	106	19.6%
·	33	0.170	123	23.370	173	3270	33	10.570	100	15.070
protect me from getting COVID-										
19, so I do not need the vaccine.										
I am worried about the possible	84	15.6%	195	36.1%	123	22.8%	80	14.8%	58	10.7%
side-effects of COVID-19 vaccine										
I am worried about the possible	70	13%	184	34.1%	123	22.8%	94	17.4%	69	12.8%
drug-drug interaction between										
the COVID-19 vaccine and my HIV										
medications.										
I am concerned that COVID-19	48	8.9%	133	24.6%	154	28.5%	115	21.3%	90	16.7%
vaccine is not recommended for										
me as I have a weak immune										
system or CD4+ <200.										
I am concerned that the COVID-	51	9.5%	123	22.8%	151	28%	123	22.8%	92	17.1%
19 vaccine is not effective as I										
have a weak immune system or										
CD4+ <200.										
I have concern about the	62	11.5%	162	30%	140	25.9%	103	19.1%	73	13.5%
effectiveness of the COVID-19										
vaccine										
I have concerns about the cost of	56	10.4%	120	22.2%	165	30.6%	97	18%	102	18.9%
getting the COVID-19 vaccine.										
Cues to action		I								

The chances of me getting	224	51.4%	180	41.3%	19	4.4%	9	2.1%	4	0.9%
vaccinated against COVID-19 will										
increase if my doctor										
recommends me										
The chances of me getting	232	53.2%	161	36.9%	23	5.3%	14	3.2%	6	1.4%
vaccinated against COVID-19 will										
increase if I was given adequate										
information about it										
information about it										

Note: This is Online Appendix 2 of Mohamed R, White TM, Lazarus JV, et al. COVID-19 vaccine acceptance and associated factors among people living with HIV in the Middle East and North Africa region. S Afr J HIV Med. 2022;23(1), a1391. https://doi.org/10.4102/sajhivmed.v23i1.1391

Appendix 2, File 1. Full Questionnaire

COVID-19 vaccine acceptance and associated factors among people living with HIV in the Middle East and North Africa region

General Information

Demog	graphics	
1	How old are you?	
		18-29
		30-39
		40-49
		50-59
		60-69
		70-79
		>80
2		Male
	Gender	Female
		Don't wish to disclose

3	Marital status	Single
		Married
		Divorced
		Widow/Widower
4	Highest education level	Primary school and below
		Preparatory education
		Secondary education
		Technical education
		University and above
5	Employment status	Unemployed
		Employed/Self-employed
		Student
		Housewife
		Retired
		Other
6	Which country do you live in?	Egypt
		Tunisia
		Saudi Arabia
7	Residence area	Rural
		Urban
General l	health related questions	

8	Are you currently receiving your	Yes
	HIV medications?	No
9	The last time you checked your	6 months ago
	CD4+ count was:	A year ago
		More than one year ago
10	What is your recent CD4+ count?	500 cell/mm3
		250-500 cell/mm3
		< 250 cell/mm3
		I do not know
11	The last time you checked your	6 months ago
	viral load was:	A year ago
		More than one year ago
12	Was your recent viral load	Yes
	undetectable?	No
		I do not know
13A	Do you have any other chronic	Yes
	medical conditions?	No
13B	If yes, Specify.	Diabetes
		Hypertension
		Cardiac disease
		Chest disease

		☐ Renal disease
		☐ Liver disease
		□ Other
14	How do you rate your overall	☐ Very good
	health?	□ Good
		□ Fair
		□ Poor
		□ Very poor
15	Have you been vaccinated against	□ Yes
	influenza during the past 12	□ No
	months?	
Exposu	re to COVID-19	
16A	Have you been tested for COVID-	□ Yes
	19 ?	□ No
16D	What was the result of the test?	
16B	what was the result of the test?	□ Positive
		□ Negative
16C	In case you tested positive for	□ Yes
	COVID-19, were you	□ No
	hospitalized?	
	I .	<u> </u>

Accptability of COVID-19 vaccine

17A	Have you got COVID-19 vaccine?		□ Yes
			□ No
	• If Yes → Skip to question 19		
	• If No \longrightarrow go to question 17B		
		ı	
17B	When a COVID-19 vaccine becomes		Definitely no
	available to you, will you take it?		Probably no
			Unsure
			Possibly yes
			Definitely yes
18	Would you pay a fee to be vaccinated, if		Definitely no
	needed ?		Probably no
			Unsure

	Possibly yes
	Definitely yes

Health Belief Model

Perceived risk of contracting COVID-19							
(Perceived susceptibility and severity)							
19	COVID-19 is a dangerous health threat		Strongly disagree				
	especially to me as a patient with chronic		Disagree				
	disease.		Neither disagree or agree				
			Agree				
			Stronly agree				
20	My chance of getting COVID-19 in the next		Strongly disagree				
	few months is great		Disagree				
			Neither disagree or agree				
			Agree				
			Strongly agree				
21	If I get COVID -19,I will be very sick and		Strongly disagree				
	probably need hospitalisation		Disagree				

		Neither disagree or agree
		Agree
		Strongly agree
Percei	ved benefits of COVID-19 vaccination	
22	COVID-19 can be prevented by vaccination.	Strongly disagree
		Disagree
		Neither disagree or agree
		Agree
		Strongly agree
23	Vaccination is a good idea because I will feel	Strongly disagree
	less worried about getting COVID-19.	Disagree
		Neither disagree or agree
		Agree
		Strongly agree
Percei	ved barriers of COVID-19 vaccination	
24	I've heard my HIV medicines protect me from	Strongly disagree
	getting COVID-19, so I do not need the	Disagree
	vaccine.	Neither disagree or agree
		Agree
		Strongly agree
25	I am worried about the possible side-effects of	Strongly Disagree
	COVID-19 vaccine.	Disagree
		Neither disagree or agree
		Agree

		Strongly Agree
I am worried about the possible drug-drug		Strongly Disagree
interaction between the COVID-19 vaccine		Disagree
and my HIV medications.		Neither disagree or agree
		Agree
		Strongly Agree
I am concerned that COVID-19 vaccine is not		Strongly Disagree
recommended for me as I have a weak		Disagree
immune system or CD4+ <200.		Neither disagree or agree
		Agree
		Strongly Agree
I am concerned that the COVID-19 vaccine is		Strongly Disagree
not effective as I have a weak immune system		Disagree
or CD4+ <200.		Neither disagree or agree
		Agree
		Strongly Agree
I have concern about the effectiveness of the		Strongly Disagree
COVID-19 vaccine.		Disagree
		Neither disagree or agree
		Agree
		Strongly Agree
		Strongly Disagree
I have concerns about the cost of getting the		Disagree
COVID-19 vaccine.		Neither disagree or agree
		Agree
	interaction between the COVID-19 vaccine and my HIV medications. I am concerned that COVID-19 vaccine is not recommended for me as I have a weak immune system or CD4+ <200. I am concerned that the COVID-19 vaccine is not effective as I have a weak immune system or CD4+ <200. I have concern about the effectiveness of the COVID-19 vaccine.	I am worried about the possible drug-drug interaction between the COVID-19 vaccine and my HIV medications.

	Strongly Agree
	Strongly Agree

If Already vaccinated \longrightarrow End survey.

Cues to action					
31	The chances of me getting vaccinated against		Strongly Disagree		
	COVID-19 will increase if my doctor		Disagree		
	recommends me		Neither disagree or agree		
			Agree		
			Strongly Agree		
32	The chances of me getting vaccinated against		Strongly Disagree		
	COVID-19 will increase if I was given		Disagree		
	adequate information about it		Neither disagree or agree		
			Agree		
			Strongly Agree		