Supplementary Information

Table S1: Further characteristics of all individuals with a positive RT-PCT test, all who were sequenced, and those with AY.4.2

Characteristic	Categories	All positive tests (sequenced & not sequenced)	All positive and sequenced tests	Positive test with AY.4.2
Socioeconomic status†	1 (low)	62,783 (23.3%)	10,763 (24.5%)	594 (24.9%)
	2	57,061 (21.2%)	9,551 (21.7%)	512 (21.5%)
	3	48,785 (18.1%)	7,825 (17.8%)	435 (18.2%)
	4	49,085 (18.2%)	7,966 (18.1%)	433 (18.2%)
	5 (high)	50,254 (18.6%)	7,831 (17.8%)	410 (17.2%)
Urban-rural residence	Large Urban Areas	100,301 (37.2%)	16,701 (37.7%)	984 (41.1%)
	Other Urban Areas	106,565 (39.5%)	17,148 (38.8%)	889 (37.1%)
	Accessible Small Towns	23,226 (8.6%)	3,824 (8.6%)	212 (8.8%)
	Remote Small Towns	8,657 (3.2%)	1,453 (3.3%)	74 (3.1%)
	Accessible Rural	21,460 (8.0%)	3,527 (8.0%)	148 (6.2%)
	Remote Rural	7,759 (2.9%)	1,283 (2.9%)	77 (3.2%)
	Unknown	1,751 (0.6%)	311 (0.7%)	13 (0.5%)
Number of coexisting	0	166,657 (61.8%)	26,475 (61.1%)	1,420 (60.5%)
conditions	1	69,533 (25.8%)	11,230 (25.9%)	628 (26.7%)
	2	18,901 (7.0%)	3,380 (7.8%)	191 (8.1%)
	3	5,719 (2.1%)	1,229 (2.8%)	65 (2.8%)
	4	2,243 (0.8%)	548 (1.3%)	26 (1.1%)
	5+	1,430 (0.5%)	458 (1.1%)	19 (0.8%)
Number of RT-PCR	0	264,448 (98.0%)	42,977 (99.2%)	2,335 (99.4%)
tests before specimen date	1	35 (0.0%)	343 (0.8%)	14 (0.6%)
Average household age	Mean (SD)	37.7 (16.2)	38.8 (17.3)	39.5 (17.0)
Size of household	1	61,977 (23.0%)	10,674 (24.6%)	600 (25.5%)
	2	64,597 (23.9%)	10,442 (24.1%)	585 (24.9%)
	3-5	125,625 (46.6%)	20,018 (46.2%)	1,046 (44.5%)
	6-10	11,367 (4.2%)	1,889 (4.4%)	105 (4.5%)
	11-30	598 (0.2%)	163 (0.4%)	9 (0.4%)
	31-100	376 (0.1%)	118 (0.3%)	4 (0.2%)
	101+	178 (0.1%)	46 (0.1%)	0 (0.0%)
Body Mass Index	Underweight	2,616 (1.0%)	452 (1.0%)	20 (0.9%)

Normal weight	31,616 (11.7%)	5,369 (12.4%)	266 (11.3%)
Overweight	187,476 (69.5%)	30,210 (69.7%)	1,643 (69.9%)
Obese	42,775 (15.9%)	7,289 (16.8%)	420 (17.9%)

Table S2: Comorbidities of all individuals with a positive RT-PCT test, all who were sequenced, and those with AY.4.2

Characteristic	Categories	All positive tests	All positive and	Positive test	
		(sequenced &	sequenced tests	with	
		not sequenced)		AY.4.2	
Atrial fibrillation	No	260,965 (96.8%)	42,519 (98.2%)	2,314 (98.5%)	
	Yes	3,518 (1.3%)	801 (1.8%)	35 (1.5%)	
Asthma	No	223,949 (83.0%)	36,642 (84.6%)	1,978 (84.2%)	
	Yes	40,534 (15.0%)	6,678 (15.4%)	371 (15.8%)	
Blood cancer	No	263,589 (97.7%)	43,124 (99.5%)	2,337 (99.5%)	
	Yes	894 (0.3%)	196 (0.5%)	12 (0.5%)	
Heart failure	No	262880 (97.5%)	42,929 (99.1%)	2332 (99.3%)	
	Yes	1603 (0.6%)	391 (0.9%)	17 (0.7%)	
Cerebral palsy	No	264211 (98.0%)	43,274 (99.9%)	2,348 (100.0%)	
	Yes	272 (0.1%)	46 (0.1%)	1 (0.0%)	
Coronary heart disease	No	257,401 (95.4%)	41,820 (96.5%)	2,273 (96.8%)	
	Yes	7,082 (2.6%)	1,500 (3.5%)	76 (3.2%)	
Cirrhosis	No	263,348 (97.6%)	43,098 (99.5%)	2,338 (99.5%)	
	Yes	1,135 (0.4%)	222 (0.5%)	11 (0.5%)	
Congenital heart	No	262,445 (97.3%)	43,022 (99.3%)	2,329 (99.1%)	
disease	Yes	2,038 (0.8%)	298 (0.7%)	20 (0.9%)	
COPD	No	259,839 (96.3%)	42,287 (97.6%)	2,304 (98.1%)	
	Yes	4,644 (1.7%)	1,033 (2.4%)	45 (1.9%)	
Dementia	No	263,400 (97.7%)	42,926 (99.1%)	2,328 (99.1%)	
	Yes	1,083 (0.4%)	394 (0.9%)	21 (0.9%)	
Diabetes 1	No	263,026 (97.5%)	43,092 (99.5%)	2,327 (99.1%)	
	Yes	1457 (0.5%)	228 (0.55)	22 (0.9%)	
Diabetes 2	No	253,463 (94.0%)	41,177 (95.1%)	2,233 (95.1%)	
	Yes	11,020 (4.1%)	2,143 (4.9%)	116 (4.9%)	
Epilepsy	No	261,132 (96.8%)	42,716 (98.6%)	2,315 (98.6%)	
	Yes	3,351 (1.2%)	604 (1.4%)	34 (1.4%)	
Fracture	No	253,607 (94.0%)	41,375 (95.5%)	2,245 (95.6%)	
	Yes	10,876 (4.0%)	1,945 (4.5%)	104 (4.4%)	
Neurological disorder	No	263,674 (97.8%)	43,173 (99.7%)	2,343 (99.7%)	
	Yes	809 (0.3%)	147 (0.3%)	6 (0.3%)	
Parkinson's	No	264,229 (98.0%)	43,255 (99.8%)	2,347 (99.9%)	
	Yes	254 (0.1%)	65 (0.2%)	2 (0.1%)	

Pulmonary hypertension	No	264,171 (97.9%)	43,227 (99.8%)	2,342 (99.7%)
	Yes	312 (0.1%)	93 (0.2%)	7 (0.3)
Pulmonary rare	No	263,576 (97.7%)	43,136 (99.6%)	2,340 (99.6%)
	Yes	907 (0.3%)	184 (0.4%)	9 (0.4%)
Peripheral vascular	No	263,189 (97.6%)	43,033 (99.3%)	2,338 (99.6%)
disease	Yes	1,294 (0.5%)	287 (0.7%)	11 (0.5%)
Rheumatoid arthritis or	No	262,216 (97.2%)	42,934 (99.1%)	2,327 (99.1%)
SLE	Yes	2,267 (0.8%)	386 (0.9%)	22 (0.9%)
Respiratory cancer	No	264,128 (97.9%)	43,238 (99.8%)	2,349 (100.0%)
	Yes	355 (0.1%)	82 (0.2%)	0 (0.0%)
Severe mental illness	No	234,956 (87.1%)	38,271 (88.3%)	2,071 (88.2%)
	Yes	29,527 (10.9%)	5,049 (11.7%)	278 (11.8%)
Sickle cell disease	No	264,317 (98.0%)	43,287 (99.9%)	2,348 (100.0%)
	Yes	166 (0.1%)	33 (0.1%)	1 (0.0%)
Stroke/TIA	No	260,524 (96.6%)	42,391 (97.9%)	2,308 (98.3%)
	Yes	3,960 (1.5%)	929 (2.1%)	41 (1.7%)
Thrombosis or	No	261,362 (96.9%)	42,676 (98.5%)	2,307 (98.2%)
pulmonary embolus	Yes	3,121 (1.2%)	644 (1.5%)	42 (1.8%)
Care housing category	No	263,763 (97.8%)	43,080 (99.4%)	2,337 (99.5%)
	Yes	512 (0.2%)	202 (0.5%)	10 (0.4%)
	Homeless	208 (0.1%)	38 (0.1%)	2 (0.1%)
Learning disability	No	261,258 (96.9%)	42,722 (98.6%)	2,316 (98.6%)
	Yes	3,173 (1.2%)	587 (1.4%)	31 (1.3%)
Down's syndrome	No	264,431 (100.0%)	43,309 (100.0%)	2347 (99.9%)
	Yes	53 (0.0%)	11 (0.0%)	2 (0.1%)
Kidney disease	No serious	259,529 (96.2%)	42,110 (97.2%)	2,289 (97.4%)
	kidney disease			
	CKD5 without	4,465 (1.7%)	1,060 (2.4%)	51 (2.2%)
	dialysis or			
	transplant			
	CKD5 with	212 (0.1%)	64 (0.1%)	5 (0.2%)
	dialysis in the			
	last 12 months			
	CKD5 with	277 (0.1%)	86 (0.2%)	4 (0.2%)
	transplant			
Smoking status	Non-smoker	128,685 (47.7%)	20,520 (47.4%)	1,139 (48.5%)
	Ex-smoker	33,140 (12.3%)	5,499 (12.7%)	307 (13.1%)
	Smoker	57,684 (21.4%)	9,778 (22.6%)	516 (22.0%)
	Unknown	44,973 (16.7%)	7,523 (17.4%)	387 (16.5%)
Blood pressure	No investigation	64,044 (23.7%)	10,509 (24.3%)	508 (21.6%)
	Low	4,792 (1.8%)	772 (1.8%)	45 (1.9%)
	Normal	169,003 (62.7%)	27,595 (63.7%)	1,545 (65.8%)
	High	22,353 (8.3%)	3,702 (8.5%)	193 (8.2%)
	Very high	4,291 (1.6%)	742 (1.7%)	58 (2.5%)
† Deprivation status: Qu	uintiles of Scottish In	ndex of Multiple Dep	rivation	

Comorbidities are those used as predictors in the QCOVID algorithm. Ref: Clift AK, et al. Living risk prediction algorithm (QCOVID) for risk of hospital admission and mortality from coronavirus 19 in adults: national derivation and validation cohort study. BMJ 2020;371:m3731.

Table S3: Vaccine effectiveness against symptomatic SARS-CoV-2 infection caused by AY.4.2 stratified by vaccine type

Vaccine	Vaccine status	Number	Number	Odds ratio	Vaccine
type		of tests	of positive tests	(95% CI)	effectiveness (95% CI)
ChAdOx1	Unvaccinated	7,723	44	Reference	Reference
nCoV-19	One vaccine dose	6,391	41	0.71	28.7
				(0.46-1.11)	(-10.9-54.2)
	Two vaccine doses			0.17	83.4
	0-13 days before			(0.04-0.69)	(31.1-96.0)
	test	2,272	<5		
	Two vaccine doses			0.46	54.5
	≥14 days before test	77,905	683	(0.32-0.64)	(35.7-67.8)
mRNA-	Unvaccinated	7,723	44	Reference	Reference
1273	One vaccine dose	5,875	38	0.61	39.5
				(0.39-0.95)	(4.9-61.5)
	Two vaccine doses	1,507	7	0.30	70.1
	0-13 days before test			(0.13-0.67)	(32.8-86.7)
	Two vaccine doses	6,436	8	0.06	93.7
	≥14 days before test			(0.03-0.14)	(86.4-97.1)
BNT162b2	Unvaccinated	7,723	44	Reference	Reference
	One vaccine dose	22,935	128	0.61	38.8
				(0.43-0.88)	(12.5-57.2)
	Two vaccine doses	5,381	37	0.50	50.2
	0-13 days before test			(0.31-0.79)	(21.1-68.6)
	Two vaccine doses	73,771	301	0.21	78.7
	≥14 days before test			(0.15-0.30)	(69.9-85.0)

In the cohort analysis, the hazard ratio (HR) for COVID-19 hospitalisation or death was 1.77 (1.02-3.07) for AY4.2 compared to delta in those who were unvaccinated.

Table S4: Hazard ratios and 95% confident intervals (CI) for COVID-19 emergency hospital admission or death from community testing for all categorical variables in the Cox proportional hazards model

Population characteristics		Number of person-years	Number of events	Hazard Ratios (95% CI)
Sex				
Female		1,431	296	Reference
Male		1,387	307	1.12 (0.95-1.32)
Socioeconomic status†				
1 (most deprived)		658	167	Reference
2		598	158	1.13 (0.90-1.41)
3		491	102	0.94 (0.73-1.21)
4		521	108	1.02 (0.79-1.31)
5 (least deprived)		532	66	0.64 (0.48-0.86)
Number of coexisting condition	ons			
No at-risk condition		1,800	226	Reference
One condition		716	174	1.74 (1.43-2.14)
Two conditions		179	89	2.69 (2.07-3.49)
Three conditions		45	55	4.49 (3.22-6.25)
Four conditions		13	20	4.72 (2.89-7.70)
Five or more conditions		7	26	8.48 (5.35-13.42)
Vaccination status by variant				
Hazard ratios with respect to u	invaccinated w	vith delta		
Unvaccinated	AY.4.2	28	14	1.77 (1.02-3.07)
	Other		<5	1.27 (0.46-3.49)
Hazard ratios with respect to u	nvaccinated w	vith indicated varia	ant	
	Delta	190	18	0.42 (0.25-0.69)

One vaccine dose 0-27 days	AY.4.2	3	0	-
before test	Other	5	<1	0.56 (0.06-5.01)
One vaccine dose ≥28 days	Delta	354	44	0.35 (0.25-0.49)
before test	AY.4.2	16	<5	0.22 (0.05-0.98)
	Other	3	0	-
Two vaccine doses 0-27 days	Delta	155	14	0.20 (0.11-0.35)
before test	AY.4.2	7	0	-
	Other	2	0	-
Two vaccine doses ≥28 days	Delta	1,176	300	0.21 (0.16-0.26)
before test	AY.4.2	86	23	0.13 (0.06-0.25)
	Other	3	<5	0.19 (0.02-1.73)
† Deprivation status: Quintiles of	of Scottish Inde	ex of Multiple D	eprivation	I

Figure S1: Hazard ratios for COVID-19 emergency hospital admission or death from community testing by age

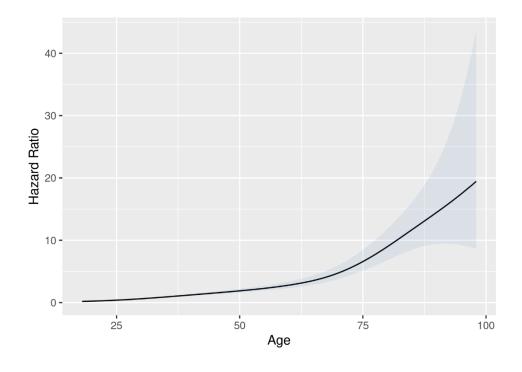


Table S5: STROBE and RECORD statements

	Item No.	STROBE items	Location in manuscript where items	RECORD items	Location in manuscript where items are reported
			are reported		items are reported
Title and ab	stract				
	1	(a) Indicate the study's design with a commonly used term in the title or the abstract (b) Provide in the abstract an informative and balanced summary of what was done and what was found	(a) Title:"COVI D-19 vaccine effectiveness against symptomatic SARS-CoV-2 infection and severe COVID-19 outcomes from Delta AY.4.2: Cohort and test-negative study of 5.4 million individuals in Scotland " (b) Abstract, page 2	RECORD 1.1: The type of data used should be specified in the title or abstract. When possible, the name of the databases used should be included. RECORD 1.2: If applicable, the geographic region and timeframe within which the study took place should be reported in the title or abstract. RECORD 1.3: If linkage between databases was conducted for the study, this should be clearly stated in the title or abstract.	Title: "COVID-19 vaccine effectiveness against symptomatic SARS-CoV-2 infection and severe COVID-19 outcomes from Delta AY.4.2: Cohort and testnegative study of 5.4 million individuals in Scotland"
Introduction		Frankis U			Dana 2 Later de 12
Backgroun d rationale	2	Explain the scientific background and rationale for the investigation being reported			Page 3, Introduction
Objectives	3	State specific objectives, including any			Page 3, Introduction

		prespecified	
		hypotheses	
Methods			
Study	4	Present key	Page 3, Methods
Design		elements of study	"We used the
		design early in	EAVE II platform
		the paper	to undertake a
			TND and cohort
			analysis of all
			individuals in
			Scotland who
			tested positive for
			SARS-CoV-2 in
			the community
			from 8 June – 25
			October 2021, to
			describe the
			demographic
			profile of COVID-
			19 cases, and to
			investigate the risk
			of symptomatic
			SARS-CoV-2
			infection and
			COVID-19
			emergency hospital
			admission or death.
			admission of deam.
Setting	5	Describe the	Page 3, Methods
Ü		setting, locations,	"We used the
		and relevant	EAVE II platform
		dates, including	to undertake a
		periods of	TND and cohort
		recruitment, exposure, follow-	analysis of all
		up, and data	individuals in
		collection	Scotland who
			tested positive for
			SARS-CoV-2 in
			the community
			from 8 June – 25
			October 2021, to
			describe the
			demographic profile of COVID
			profile of COVID-

Participant	6	(a) Cohort study - Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up Case-control study - Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for	RECORD 6.1: The methods of study population selection (such as codes or algorithms used to identify subjects) should be listed in detail. If this is not possible, an explanation should be provided. RECORD 6.2: Any validation studies of the codes or algorithms used to select the population should be referenced. If validation was conducted for this study and not published elsewhere,	19 cases, and to investigate the risk of symptomatic SARS-CoV-2 infection and COVID-19 emergency hospital admission or death. Page 4, Methods: "Individuals entered the TND and cohort studies at the date of specimen collection for a positive test that was virally sequenced, and were followed up until the occurrence of the outcome of interest (i.e., symptomatic SARS-CoV-2
		cases and controls Cross-sectional study - Give the eligibility criteria, and the sources and methods of selection of participants (b) Cohort study - For matched studies, give matching criteria and number of exposed and unexposed Case-control study - For matched studies, give matching criteria and number of exposed and unexposed Case-control study - For matched studies, give matching	results should be provided. RECORD 6.3: If the study involved linkage of databases, consider use of a flow diagram or other graphical display to demonstrate the data linkage process, including the number of individuals with linked data at each stage.	19 emergency hospital admission or death) or the end of the study (25 October 2021)."

	<u> </u>		<u> </u>	<u> </u>	
		criteria and the			
		number of			
March La	-	controls per case		DECORD 7.4. A secondario	D 4 5 0 1
Variables	7	Clearly define all		RECORD 7.1: A complete	Page 4-5. Outcomes
		outcomes,		list of codes and	and Statistical
		exposures,		algorithms used to	analysis sections.
		predictors,		classify exposures, outcomes, confounders,	
		potential confounders, and		and effect modifiers	
		effect modifiers.		should be provided. If	
		Give diagnostic		these cannot be	
		criteria, if		reported, an explanation	
		applicable.		should be provided.	
Data	8	For each variable		siloulu se provideur	Page 3, Methods:
sources/		of interest, give			"Early Pandemic
measurem		sources of data			Evaluation and
ent		and details of			
		methods of			Enhanced
		assessment			Surveillance
		(measurement).			(EAVE II) is a
		Describe			COVID-19
		comparability of			surveillance
		assessment			platform that
		methods if there			comprises of linked
		is more than one			-
		group			primary care,
					secondary care,
					mortality,
					virological-
					sequencing and
					COVID-19 testing
					data covering 5.4
					million (~99%
					population
					coverage) people in
					Scotland. EAVE II
					has been used to
					track and forecast
					the epidemiology
					of COVID-19,
					inform
					deliberations on
					risk stratification,
					· ·
					and investigate
					vaccine
					effectiveness and
					safety.[4-13]"

Bias	9	Describe any		Page 4-5, Statistical
		efforts to address		analysis
		potential sources		, , , , , ,
		of bias		
Study size	10	Explain how the		Population-wide
,		study size was		study – NA.
		arrived at		3333, 133
Quantitati	11	Explain how		Page 4-5, Statistical
ve		quantitative		analysis
variables		variables were		anarysis
variables		handled in the		
		analyses. If		
		applicable,		
		describe which		
		groupings were		
		chosen, and why		
Statistical	12	(a) Describe all		Page 4-5, Statistical
methods	12	statistical		analysis
methous		methods,		anarysis
		including those		
		used to control		
		for confounding		
		(b) Describe any		
		methods used to		
		examine		
		subgroups and		
		interactions		
		(c) Explain how		
		missing data were		
		addressed		
		(d) Cohort study -		
		If applicable,		
		explain how loss		
		to follow-up was		
		addressed		
		Case-control		
		study - If		
		applicable,		
		explain how		
		matching of cases		
		and controls was		
		addressed		
		Cross-sectional		
		study - If		
		applicable,		
		describe		
		analytical		
		methods taking		
		account of		
		sampling strategy		

	(e) Describe any sensitivity analyses		
Data access and cleaning methods		RECORD 12.1: Authors should describe the extent to which the investigators had access to the database population used to create the study population. RECORD 12.2: Authors should provide information on the data cleaning methods used in the study.	
Linkage		RECORD 12.3: State whether the study included person-level, institutional-level, or other data linkage across two or more databases. The methods of linkage and methods of linkage quality evaluation should be provided.	Page 3, Methods: "Early Pandemic Evaluation and Enhanced Surveillance (EAVE II) is a COVID-19 surveillance platform that comprises of linked primary care, secondary care, mortality, virological- sequencing and COVID-19 testing data covering 5.4 million (~99% population coverage) people in Scotland. EAVE II has been used to track and forecast the epidemiology of COVID-19, inform deliberations on risk stratification, and investigate vaccine

				effectiveness and safety.[4-13]"
Results				
Participant	13	(a) Report the numbers of individuals at each stage of the study (e.g., numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed) (b) Give reasons for non-participation at each stage. (c) Consider use of a flow diagram	RECORD 13.1: Describe in detail the selection of the persons included in the study (i.e., study population selection) including filtering based on data quality, data availability and linkage. The selection of included persons can be described in the text and/or by means of the study flow diagram.	Table 1, Tables S1, Table S2
Descriptiv e data	14	(a) Give characteristics of study participants (e.g., demographic, clinical, social) and information on exposures and potential confounders (b) Indicate the number of participants with missing data for each variable of interest (c) Cohort study - summarise follow-up time (e.g., average and total amount)		Table 1, Tables S1, Table S2
Outcome data	15	Cohort study - Report numbers of outcome events or summary		Table 2

			T		T
		measures over			
		time			
		Case-control			
		study - Report			
		numbers in each			
		exposure			
		category, or			
		summary			
		measures of			
		exposure			
		Cross-sectional			
		study - Report			
		numbers of			
		outcome events			
		or summary			
N.A.s.i	1.0	measures			Table 2
Main	16	(a) Give			Table 2
results		unadjusted			
		estimates and, if			
		applicable,			
		confounder-			
		adjusted			
		estimates and			
		their precision			
		(e.g., 95%			
		confidence			
		interval). Make			
		clear which			
		confounders were			
		adjusted for and			
		why they were			
		included			
		(b) Report			
		category			
		boundaries when			
		continuous			
		variables were			
		categorized			
		(c) If relevant,			
		consider			
		translating			
		estimates of			
		relative risk into			
		absolute risk for a			
		meaningful time			
		period			
Other	17	Report other			
analyses	-1	analyses done—			
3.13.7505		e.g., analyses of			
		subgroups and			
		interactions, and			
		interactions, and	<u> </u>	l	

	1	concitivity	<u> </u>		
		sensitivity			
Discussion		analyses			
	10	Cuma ma a via a Ivav	T		Dega 11 Discussions
Key results	18	Summarise key results with reference to study objectives			Page 11 Discussion: "In this study of vaccine effectiveness against symptomatic COVID-19 infection and COVID-19 hospitalisation/deat h with the AY.4.2 variant we found that amongst unvaccinated individuals, AY.4.2 was associated with an increased risk of severe COVID-19 outcomes relative to the Delta variant HR 1.77 (95% CI 1.02-3.06). We also found high levels of VE against infection, and a composite outcome of COVID hospitalisation or death"
Limitation	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias		RECORD 19.1: Discuss the implications of using data that were not created or collected to answer the specific research question(s). Include discussion of misclassification bias, unmeasured confounding, missing data, and changing eligibility over time, as they pertain to the study being reported.	Page 12 Discussion: "However, this study also had some limitations. One concern is that only 16% of positive RT-PCR tests in the study period were sequenced, which raises the possibility of a sample selection bias. In order to examine this, we looked at the marginal distribution of a

	1	ı		, ,
				number of
				demographic and
				clinical variables
				amongst all who
				tested positive, all
				who tested positive
				and were virally
				sequenced, and all
				who tested
				positive, were
				virally sequenced,
				and had AY.4.2.
				We did not find
				any large
				disparities between
				these groups. There
				were low numbers
				of people who had a COVID-19
				hospitalisation/deat h and that were
				virally sequenced
				during the study
				period. This
				precluded us from
				estimating VE
				against serious
				COVID-19
				outcomes in some
				categories."
Interpretat	20	Give a cautious		Page 12 Discussion:
ion		overall		"In conclusion, we
		interpretation of		found that
		results		unvaccinated
		considering objectives,		individuals were
		limitations,		more susceptible to
		multiplicity of		COVID-19
		analyses, results		
		from similar		hospitalisation/deat
		studies, and other		h if infected with
		relevant evidence		AY.4.2 compared
				to the Delta variant,
				and high levels of
				VE against both
				infection and
				serious COVID-19
				outcomes for the
				AY.4.2 variant. "

Generalisa bility	21	Discuss the generalisability (external validity) of the study results		Page 11 Discussion:
Other Inform	mation			
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based		Page 2, Funding Page 5, Role of the funding source
Accessibilit y of protocol, raw data, and programm ing code			RECORD 22.1: Authors should provide information on how to access any supplemental information such as the study protocol, raw data, or programming code.	Page 6, Data sharing