



Cayman Islands COVID-19 Situational Report (SitRep)



Highlights

International Situation

The United Kingdom is starting showing a downward trend of its latest epidemic wave, with all indicators (deaths; positive tests results ;hospital admissions) registering less cases than the previous week.

Local Trends

The increase in positive case results has continued this week , with 373 positive compared to 284 in week 14 (a 31% increase) also reflected in all other indicators.

Hospital Admissions

During Epi Week 15, there was a slight increase in number of patients requiring hospital admissions (9 total inpatients compared to 7 in previous 2 weeks).

Vaccination

Third dose booster coverage for the older population groups is above 60% (with the +70 being almost 67%) but work still remains to be done with younger age groups i.e. as a comparison in the UK the national coverage of the +12 is now 67%.

A fourth dose booster is now available in Cayman, with the main target group being the +70 demographic. However, the fourth dose is available to anybody above the age of 18 who has had their third dose over six months ago.

Key Message

Strong indications that the increase in cases, which started in mid-March, appears to be linked to gathering events, where no COVID-19 prevention measures were properly implemented, especially the wearing of masks. The public is reminded that wearing masks during gathering events is essential to the reduction in the risk of infection. Wearing masks and vaccination, remain our best tools to control the spread of infection.

Two new figures presented in this SitRep have been added to show all the variants identified so far in Cayman.

Table 1: COVID-19 case numbers (10-16 April 2022)

Data as of 19-04-22

	Total
Total cases to date (Fig 1)	21,755
Total number of PCR positives last 30 days (Fig. 2)	1,278
Total number of PCR tests conducted (Epi. Week 15)	1,427
Total number of new ¹ positives (Epi. Week 15)	373
Daily average of new positives (Epi. Week 15)	53
Test positivity rate ² (Epi. Week 15) (Fig. 3)	24.5%
Case Rate ³	538

¹Newly confirmed cases (PCR) reported to Public Health between 00:00 to 23:59 on 10 April 2022 –16 April 2022.

² Number of new positive PCR results over total number of PCR tests done (new positive PCR results/total number of PCRs conducted)*100

³Case Rate = proportion of persons who tested positive over population standardized to 100K population (New cases/total population)*100,000

Figure 1: Total COVID-19 cases since March 2020

Data as of 19-04-22

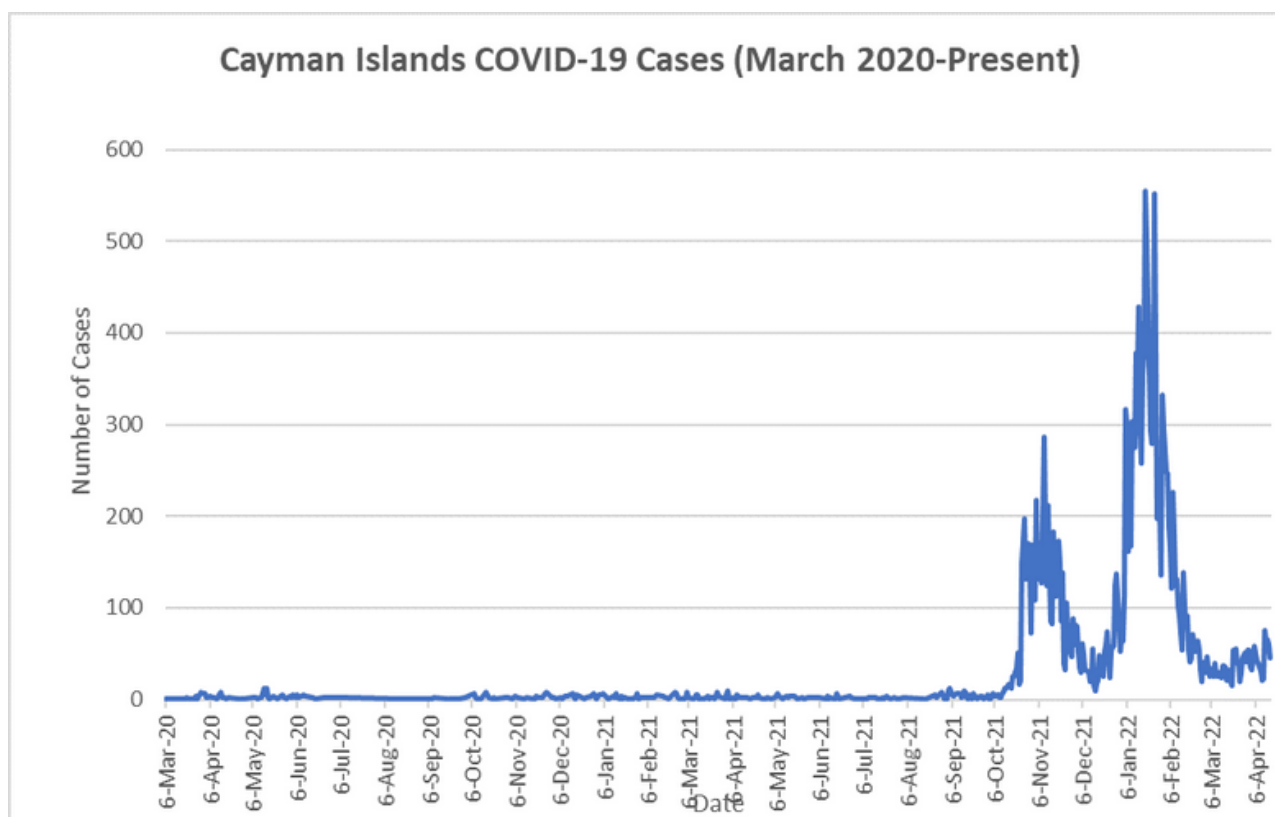


Figure 2: Number of COVID-19 cases March - April 2022

Data as of 19-04-22

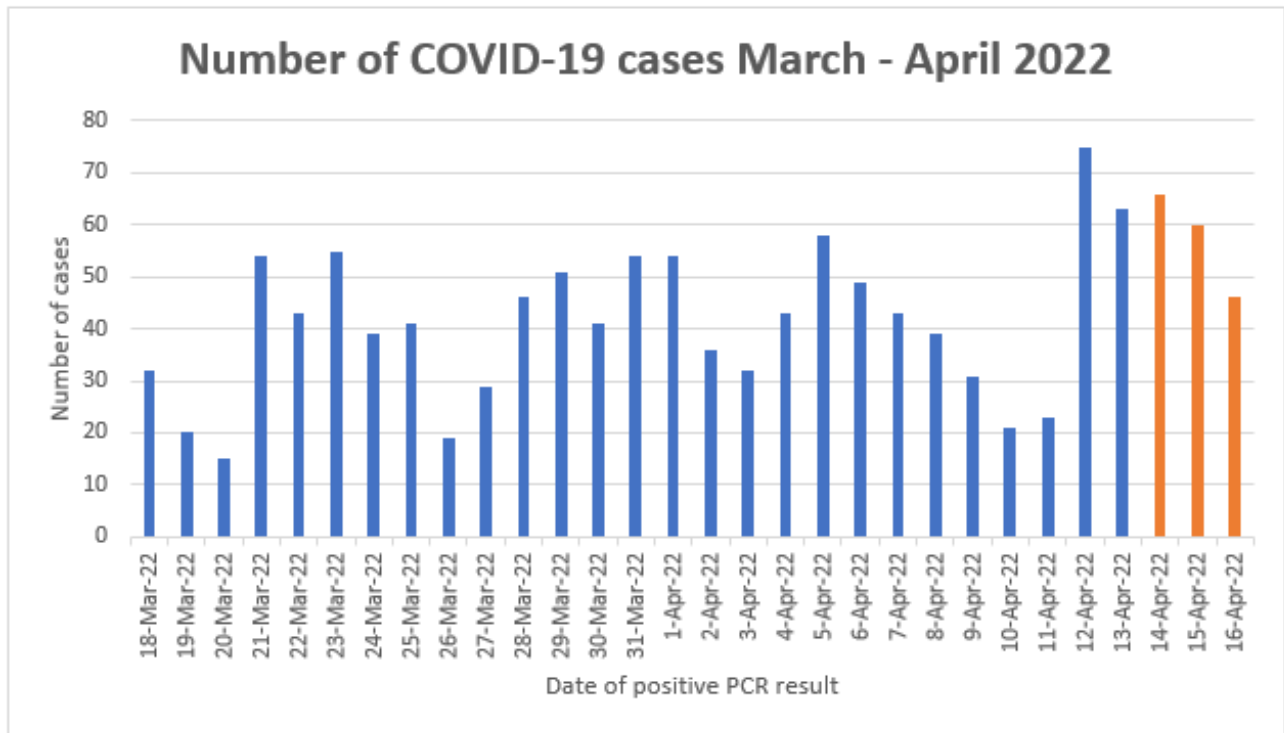


Figure 2: Data as of 19-04-2022. Orange bars indicate PCR results are pending thus figures may change.

Figure 3: Test Positivity Rate (10-16 April 2022)

Data as of 19-04-22

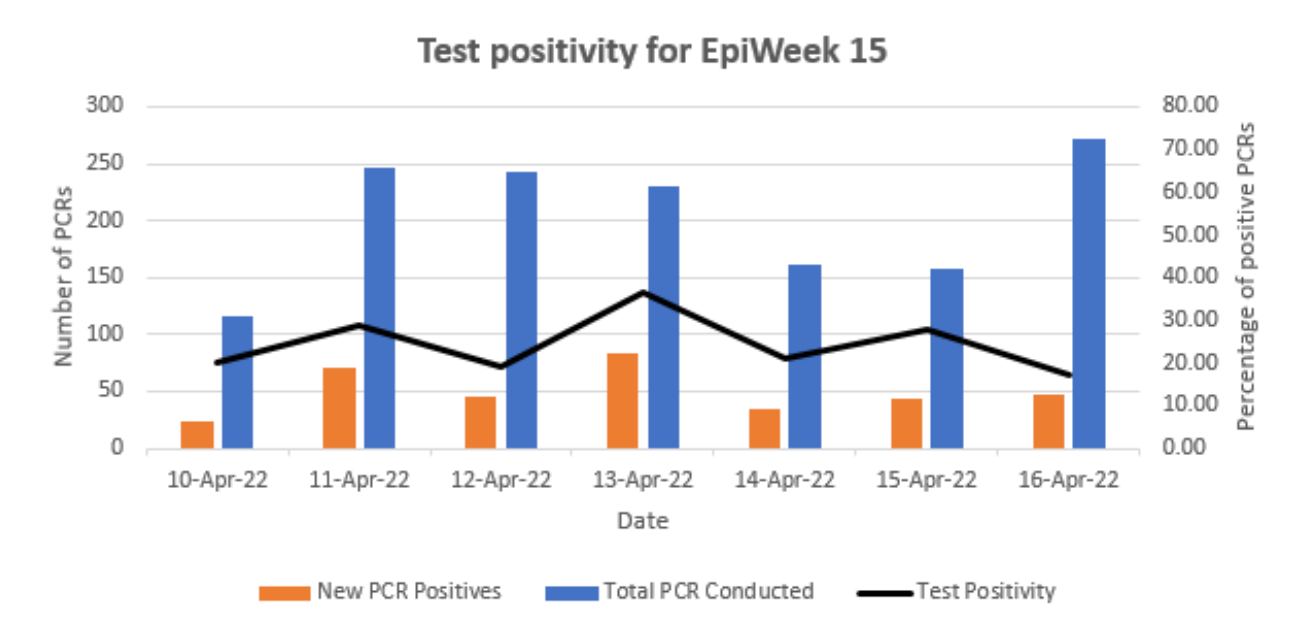


Figure 3: Data as at 19-04-2022

Data refers to the percentage of patients who tested positive via PCR in the prior 7-days.

Table 2: COVID-19 hospitalisations (3 April 2022- 9 April 2022)

Data as of 19-04-22

	Total
Total inpatients for reporting period	9
% of admissions vaccinated	33%
New admissions	3
Number on supplemental oxygen	1
Number ventilated	0
Number in intensive care	0
Number of new deaths	0
Total COVID-19 inpatients since March 2020 to 16 April 2022	258
Total COVID-19 deaths since March 2020 to 16 April 2022	27
Number of COVID-19 inpatients 10 and older (8 Sep 21 – 16 April 22) <i>(Fig. 5)</i>	216
Number of COVID-19 inpatients below age 10 (8 Sep 21 to 16 April 22) <i>(Fig. 5)</i>	19

Figure 4: Current hospitalisations (since 08-09-2021 to to 09-04-2022)

Data as of 19-04-22

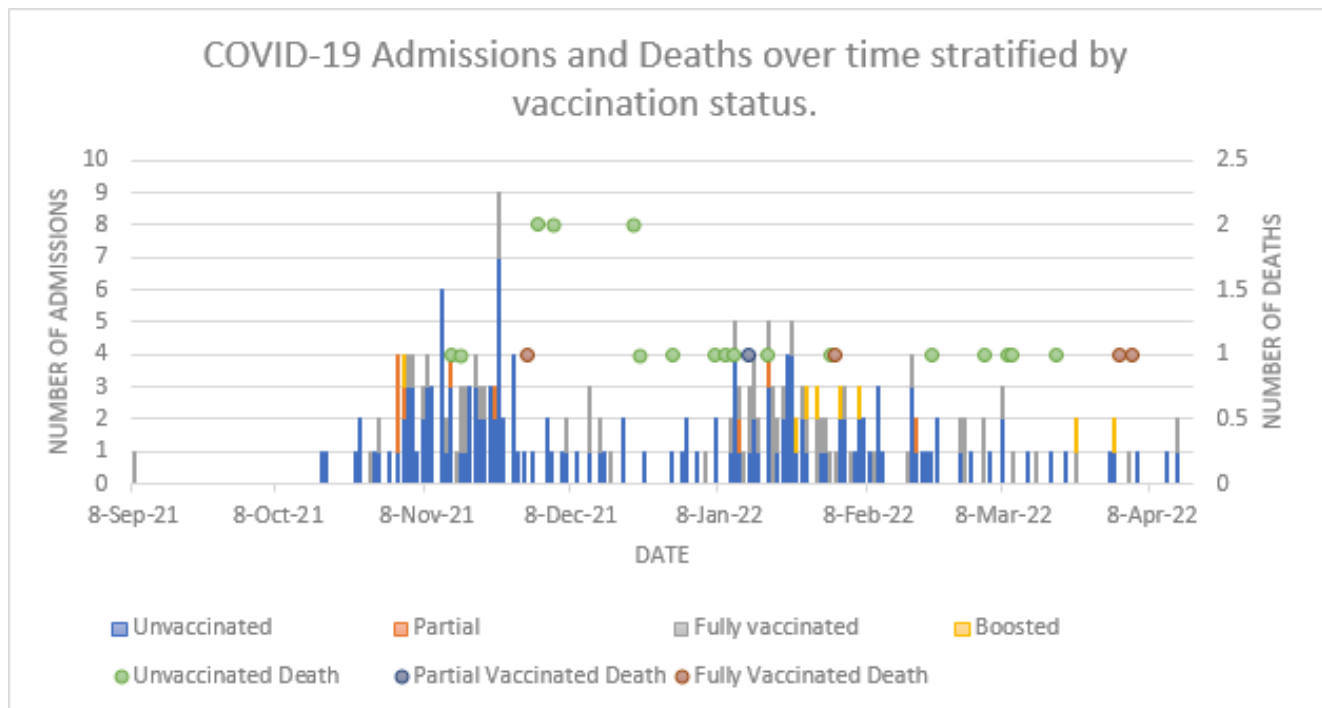
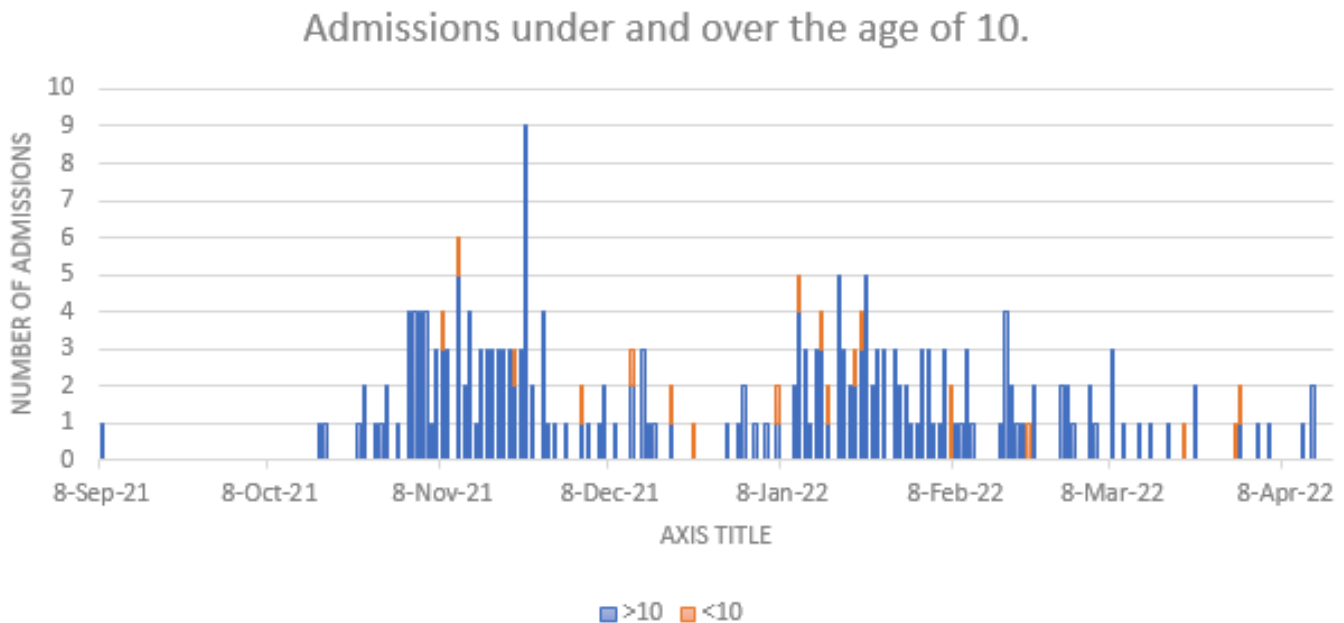


Figure 5: Admissions stratified by age (since 08-09-2021)

Data as of 19-04-22



*First COVID-19 patient was in March 2020 but represented on Figure 5 as September 2021 for graphical reasons

Table 3: COVID-19 vaccines administered (27 March 2022- 2 April 2022)

Data as of 19-04-22

Dose Number	Count
1	35
2	60
3	65
4	29
Total	189

Table 4: CUMULATIVE COVID-19 VACCINE STATS (2 April 2022)

Data as of 19-04-22

Based on Total Population of 69,350 (Fig. 6)			
Dose Number	Count	Percentage of Total Population	Percentage of vaccine coverage of population over 5
1	60,763	87.62	93.85
2	58,781	84.76	90.79
3	22,814	32.90	35.24
4	29	0.04	0.04

Table 5: Vaccine stats for Paediatric Vaccine and Third Doses

Data as of 19-04-22

3rd dose coverage for population >20 (Fig.7).	41.40%
Number of children (5-11) immunized with the paediatric vaccine	568

Figure 6: Vaccine Coverage total population

Data as of 19-04-22

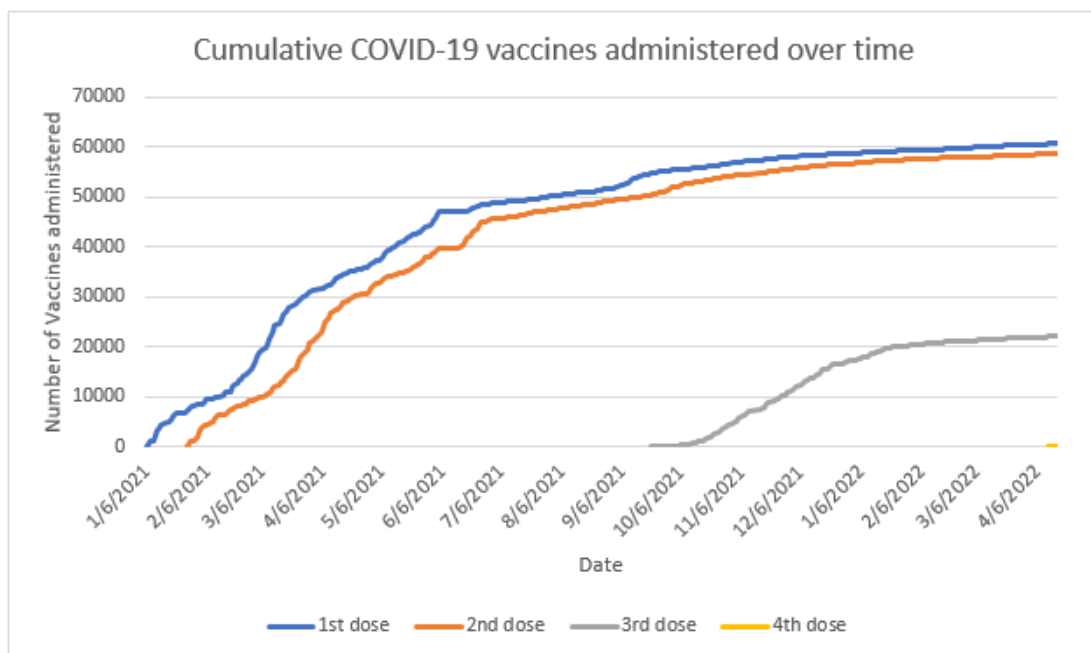


Figure 7: Booster (3rd dose) Vaccine Coverage per Age Groups

Data as of 19-04-22

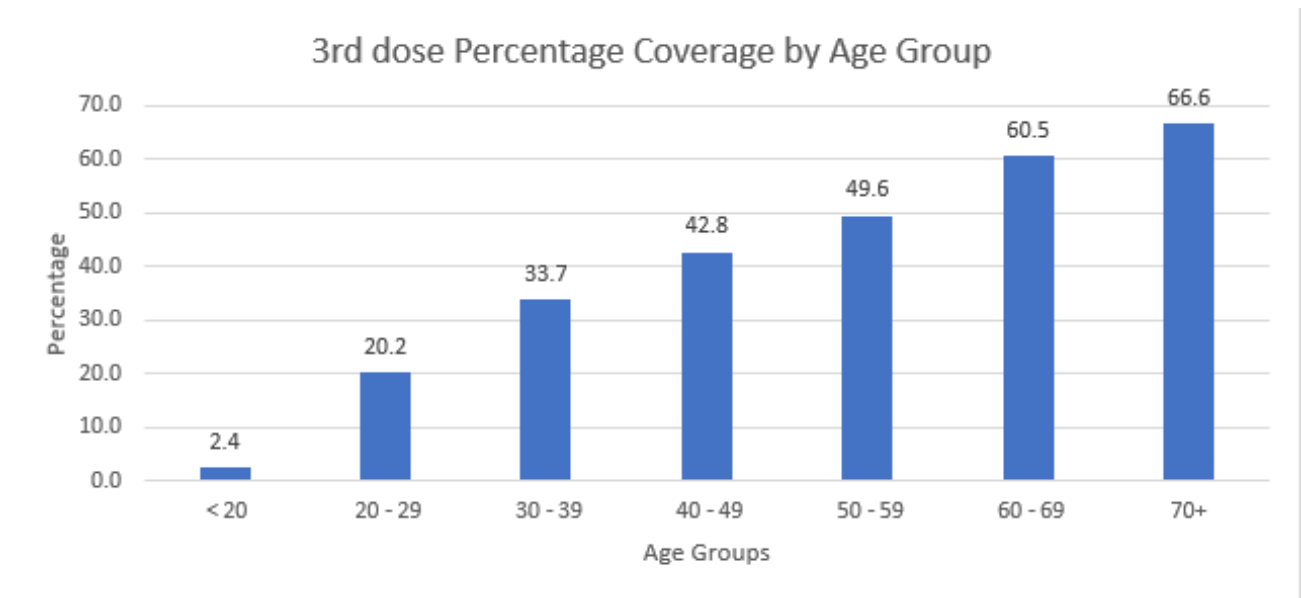
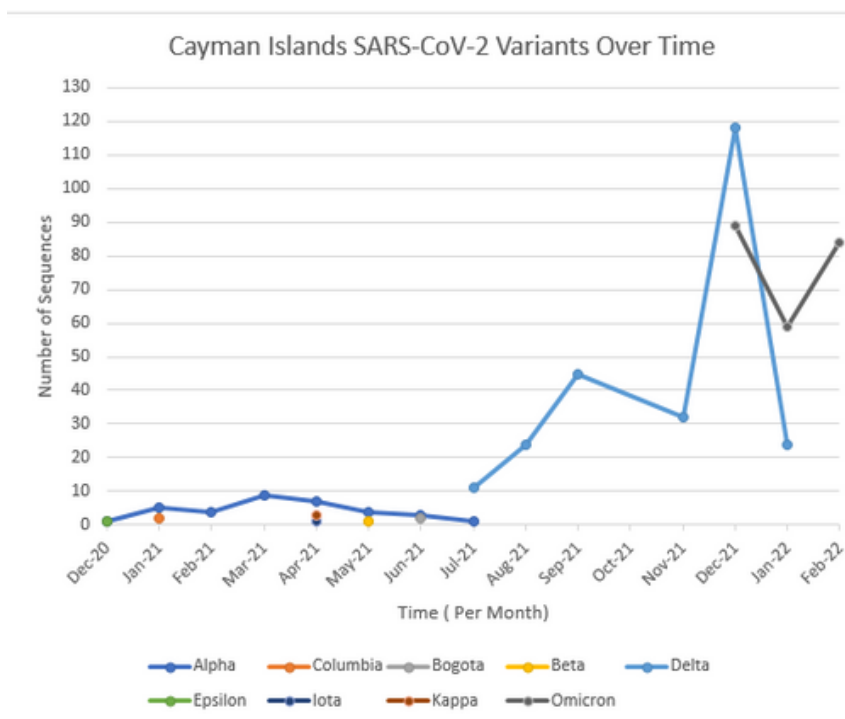


Figure 8: Variants found in the Cayman Islands

Data as of 19-04-22

COVID-19 Variants Found in the Cayman Islands	Number of Test Results
Alpha	34
Columbia	2
Bogota	2
Beta	1
Delta	254
Epsilon	1
Iota	1
Kappa	3
Omicron	232
Total Genomes	530



Alpha, Delta and Omicron have been by far the most common variants sequenced in Cayman. The "V" shaped Omicron line is due to priority being given to PCR testing (average 1500 test/day during the peak of the Dec-Jan wave) over Genome Sequencing to enable a more rapid PH response . As the figure is being populated with more data, that "V" should turn into an upwards trend line with Delta trending downwards.

Figure 9: Incidence of COVID-19 over time

Data as of 19-04-22

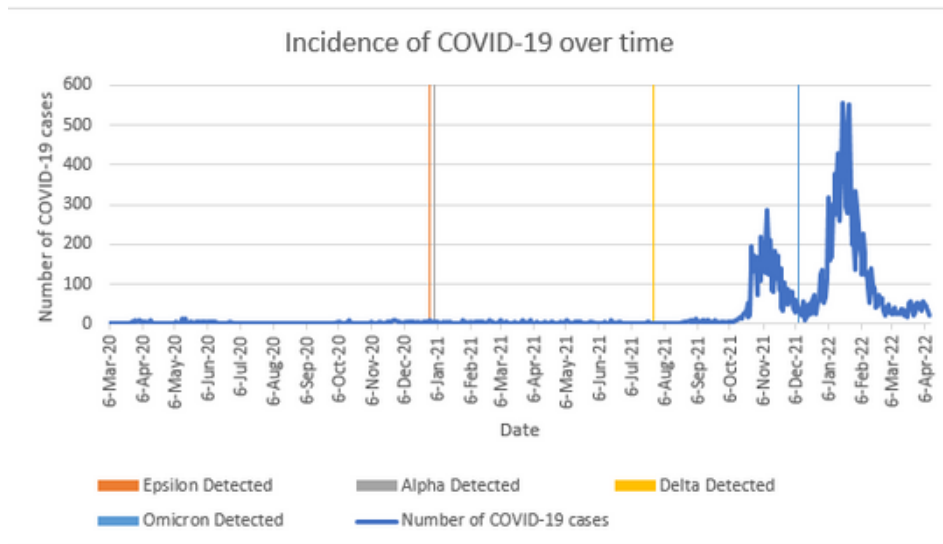


Figure 9 shows the timing of identification of variants and the effect of their spreading, also in relation to lifting of strict COVID-19 restrictions and the protective effect of vaccination (especially evident on the curbing of Delta and Omicron waves taking place after ending of lock-down).