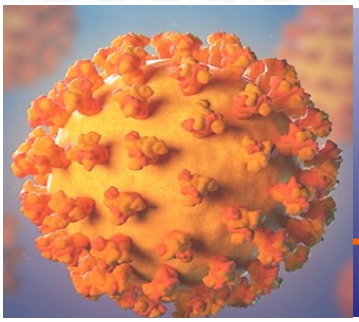
Stats News & Views



Special Topic Statistical Bulletin - COVID-19

Issue 9, 22 May 2020

The **Special Topic Statistical Bulletin on COVID 19 in CARICOM Countries Issue 9**, provides an update of the trajectory of COVID-19 in the CARICOM Region up to **22 May 2020**. The Bulletin provides information on the pattern of the disease of the total number of confirmed cases, new cases and deaths by date for each country and the total for CARICOM. The data are preliminary and will be adjusted as more reliable data are made available. This Issue continues to explore graphically, the movement in the curves for the number of confirmed cases to deduce whether they are flattening or expanding upwards as a reflection of the transmission of the virus. The Section, ***What do we learn from the Data***? is included in this issue. The projections are reviewed against the actual values for the past week. These projections may be far removed from the reality of the situations in countries and may not depict the actual outcomes. The Bulletin continues to provide limited information on the distribution of the number of confirmed cases by sex and by mode of transmission of the virus. It also repeats some of the key explanatory notes from previous issues, particularly as it relates to testing, which is a vital aspect of tracking the pandemic and also on the calculation of rates per 100,000 population. The primary approach to sourcing the data continues to be web-scraping of information from official sources of countries. Please review the back issues for other key explanations about the data.

Situation at a Glance

APRIL 2020						
Sun	**Mon.**	**Tues.**	**Wed.**	**Thur.**	**Fri.**	**Sat.**
						25th 1064
26th 1111	27th 1131	28th 1158	29th 1178	30th 1213	1	2
MAY 2020						
					1st 1231	2nd 1268
3rd 1278	4th 1294	5th 1319	6th 1331	7th 1350	8th 1376	9th 1405
10th 1421	11th 1465	12th 1502	13th 1516	14th 1542	15th 1589	16th 1634
17th 1684	18th 1794	19th 1892	20th 1965	21st 2049	22nd MAY 2,142	

Total number of confirmed cases increased by **1,078** over **27 days** (25 April - 22 May 2020) **2.01**

Total number of deaths **increased by 45 in 40 days** (12 April - 22 May 2020) at a rate of **2.02.**

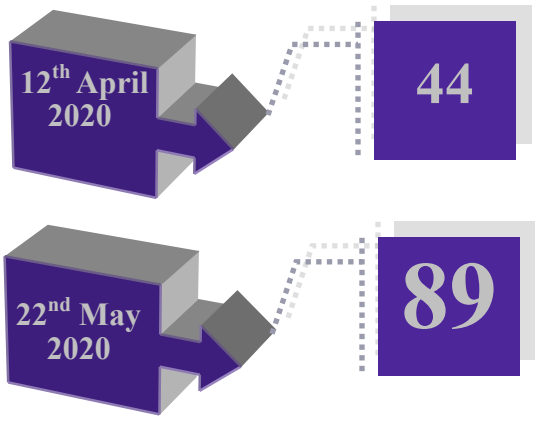


TABLE 1: SUMMARY ALL COUNTRIES -NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS - 1 - 30 APRIL 2020

Date	No. of Confirmed Cases	No. of New Cases	No. of Deaths
01-Apr	371	37	14
02-Apr	403	32	16
03-Apr	435	32	18
04-Apr	456	21	20
05-Apr	474	18	26
06-Apr	501	27	31
07-Apr	531	30	33
08-Apr	542	11	38
09-Apr	566	24	42
10-Apr	577	11	43
11-Apr	613	36	43
12-Apr	629	16	44
13-Apr	652	23	45
14-Apr	688	36	48
15-Apr	754	66	48
16-Apr	779	25	49
17-Apr	809	30	49
18-Apr	822	13	50
19-Apr	853	31	51
20-Apr	894	41	52
21-Apr	931	37	53
22-Apr	959	28	54
23-Apr	974	15	57
24-Apr	1034	60	60
25-Apr	1064	30	61
26-Apr	1111	47	62
27-Apr	1131	20	62
28-Apr	1158	27	62
29-Apr	1178	20	63
30-Apr	1213	35	66

Note: As indicated in our previous issues, the Number of Confirmed Cases and the Number of Deaths are cumulative values while the Number of New Cases is not cumulative but reflects the daily number of cases or the change in the number of confirmed cases. *Cumulative* implies that the values increase by successive additions.

The number of confirmed cases for a specific day is equal to the number of confirmed cases from the previous day plus the number of new cases for that specific day . For example, the number of confirmed cases for ***25 April is 1064***, which is equal to the number of new cases for that day, ***30***, plus the number of confirmed cases of the previous day, ***24 April, 1034***. The cumulative value for each successive day is obtained in this manner and this is the main reason why a Total is not shown for the month of April

Please check previous Issues for data from 10-31 March 2020.

TABLE 1A: SUMMARY ALL COUNTRIES -NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS - 1–22 MAY 2020

Date	No. of Confirmed Cases	No. of New Cases	No. of Deaths
01-May	1231	18	67
02-May	1268	37	67
03-May	1278	10	69
04-May	1294	16	71
05-May	1319	25	72
06-May	1331	12	74
07-May	1350	19	74
08-May	1376	26	74
09-May	1405	29	74
10-May	1421	16	74
11-May	1465	44	78
12-May	1502	37	79
13-May	1516	14	81
14-May	1542	26	82
15-May	1589	47	84
16-May	1634	45	84
17-May	1684	50	84
18-May	1794	110	84
19-May	1892	98	85
20-May	1965	73	86
21-May	2049	84	86
22-May	2142	93	89

Note: As indicated in our previous issues, the Number of Confirmed Cases and the Number of Deaths are cumulative values while the Number of New Cases is not cumulative but reflects the daily number of cases or the change in the number of confirmed cases. Please review the explanation on this issue under Table 1.

What do we learn from the Data?

[as at 22 May 2020]

The number of confirmed cases moved from **1589** as at 15 May to **2142** on **22 May.** The number of deaths moved from **84** to **89**. There were **553 new cases** and **5** new deaths. Recoveries as at 22 May stood at **785** and active cases**, 1265.**

Active Cases *[Active Cases are Confirmed Cases less recoveries, less deaths and less persons who tested positive and who might have left the country*];

- **Eight** countries - ***Anguilla, Belize, Dominica, Montserrat, Saint Lucia, St Kitts and Nevis, Trinidad and Tobago and Turks and Caicos Islands*** have no active cases for the period ending **22 May**;
- **Two** countries – ***British Virgin Islands and Suriname*** each have ***1*** active case remaining. Suriname had no active cases for the previous reporting period, 9-15 May;
- **Three** countries - ***Antigua and Barbuda (3), Grenada (4) and St Vincent and the Grenadines (4)*** have less than ***5*** active cases;
- ***Barbados*** has **13** active cases;
- **Two** countries - ***The Bahamas (42)*** and ***Bermuda (38)*** have less than 50 active cases;
- **Cayman Islands** ***(67)*** and ***Guyana (60)*** have under 100 active cases;
- ***Jamaica and Haiti*** have **344** and **688** active cases, respectively.

Recoveries

- Apart from the eight countries for which all active cases have recovered, **Jamaica** led the field with **191** recoveries as at **22 May**;
- ***Bermuda*** had **83** recoveries, ***Barbados***, **70, *Cayman Islands***, **61**, ***Guyana***, **57** and ***The Bahamas,*** **44**;
- ***Trinidad and Tobago,*** one of the eight countries with no active cases, had ***108*** recoveries.

Confirmed Cases

- In absolute terms the countries with the highest numbers of Confirmed Cases are ***Haiti*****, 734** and ***Jamaica*** with **544;**
- ***Cayman Islands*** had ***129*** cases**;** ***Bermuda, 128*****;** ***Guyana, 127; Trinidad and Tobago, 116; The Bahamas 97*** and ***Barbados, 90;***
- In rates per 100,000 ***for countries with 25 plus cases, Bermuda*** has the highest rate with ***200.08*** followed by **Cayman *Islands*** with **196*.01*** and ***Barbados*** with ***32.77. Montserrat (under 25 cases)*** still has the highest rate overall at ***220 (11 cases);***
- The rate for ***Jamaica*** is ***19.94***; ***Haiti, 6.43***; ***Guyana, 17.14*** and ***Trinidad and Tobago, 8.53. [****Please see Table 2 for rates for other countries****.]***

Deaths

- ***Haiti*** has the highest number of deaths with ***25,*** followed by ***The Bahamas*** with ***11*** and **Guyana** with ***10***;
- Deaths per 100,000 population are the highest in ***Montserrat 20 (1)***; ***Bermuda 14.07 (9)*** and ***British Virgin Islands 3.43 (1).*** The rate per 100,000 for Haiti is ***0.22;***
- The Case Fatality Rate (number of deaths as a percentage of the number of confirmed cases) is the highest in the **British Virgin Islands** with **12.5** percent, followed by **Antigua and Barbuda** with **12** percent and **The Bahamas** with **11.3** percent. **Haiti** which has the highest number of deaths, has a case fatality rate of **3.4** percent.

Testing- [Tracking the pandemic is possible through an effective testing strategy]

- ***Cayman Islands*** continues to have the best testing record with a rate of ***12,802.5*** *tests* ***per 100,000, (8426*** tests) followed by ***Bermuda, 9586.9 (6133*** *tests)* and ***Barbados, 1653.5 (4591*** *tests)*; ***Jamaica*** with a rate of ***350.3 per 100,000*** has undertaken the highest number of tests, ***9554***.

CHART 1: SUMMARY ALL COUNTRIES - NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS –10 MARCH—22 MAY 2020

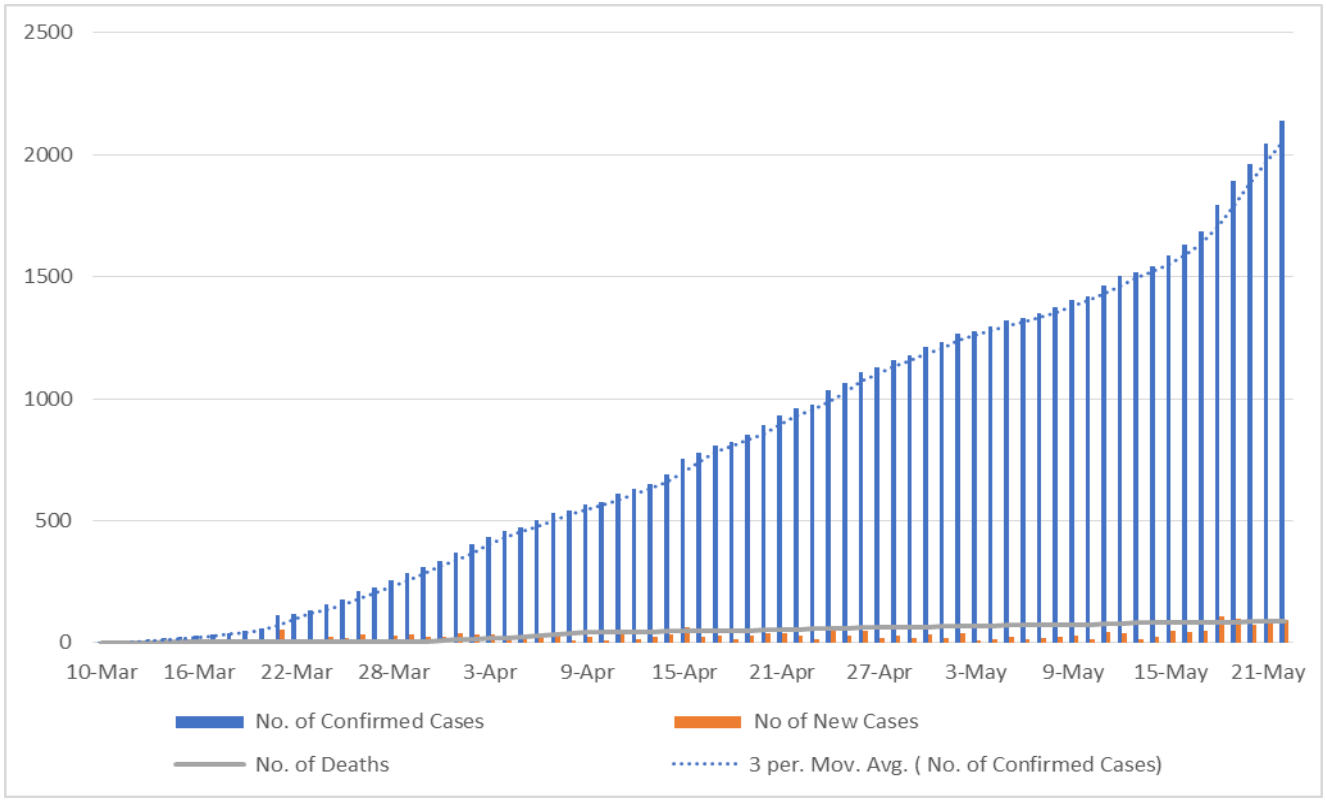
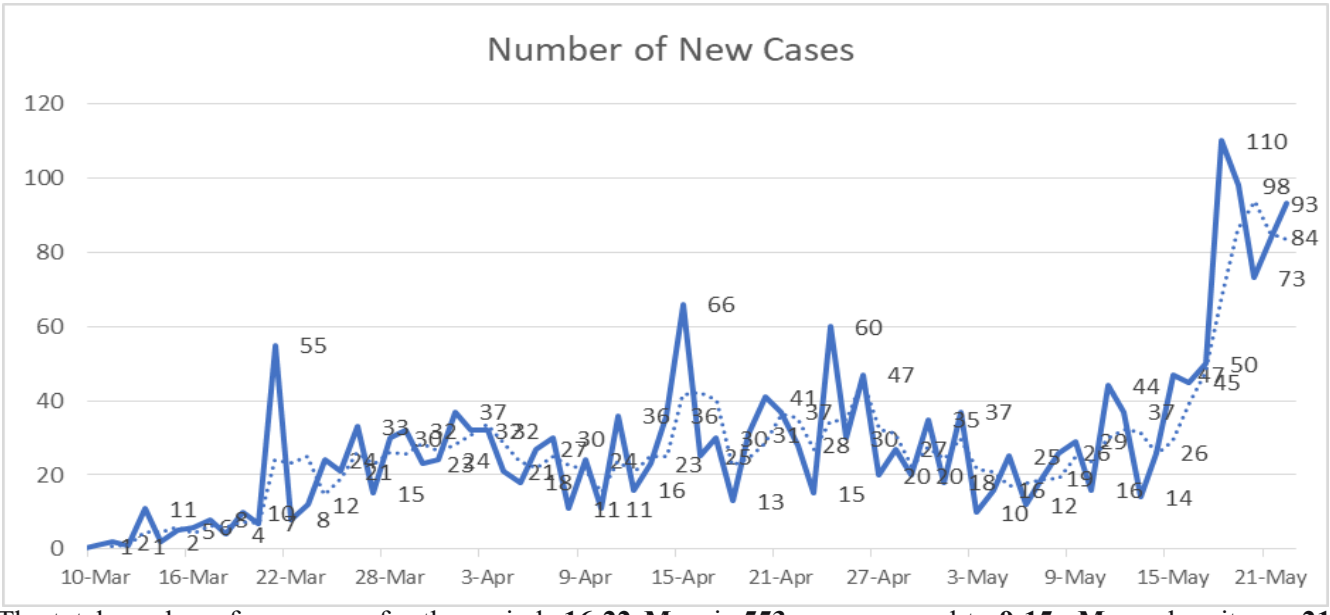


CHART 1A: SUMMARY ALL COUNTRIES WITH THREE-DAY MOVING AVERAGE OF THE NUMBER OF NEW CASES -10 MARCH—22 MAY 2020



The total number of new cases for the period **16-22 May** is **553** as compared to **9-15 May** when it was **213,** an increase of **340** new cases. Haiti contributed to **461** of the new cases or **83.4** percent of the total for the week 16-22 May and is effectively responsible for the appearance of the graph in this period. Cayman Islands contributed **35** new cases, Jamaica, **33** and Guyana **11.**

CHART 1B: SUMMARY ALL COUNTRIES - NUMBER OF DEATHS-10 MARCH—22 MAY 2020

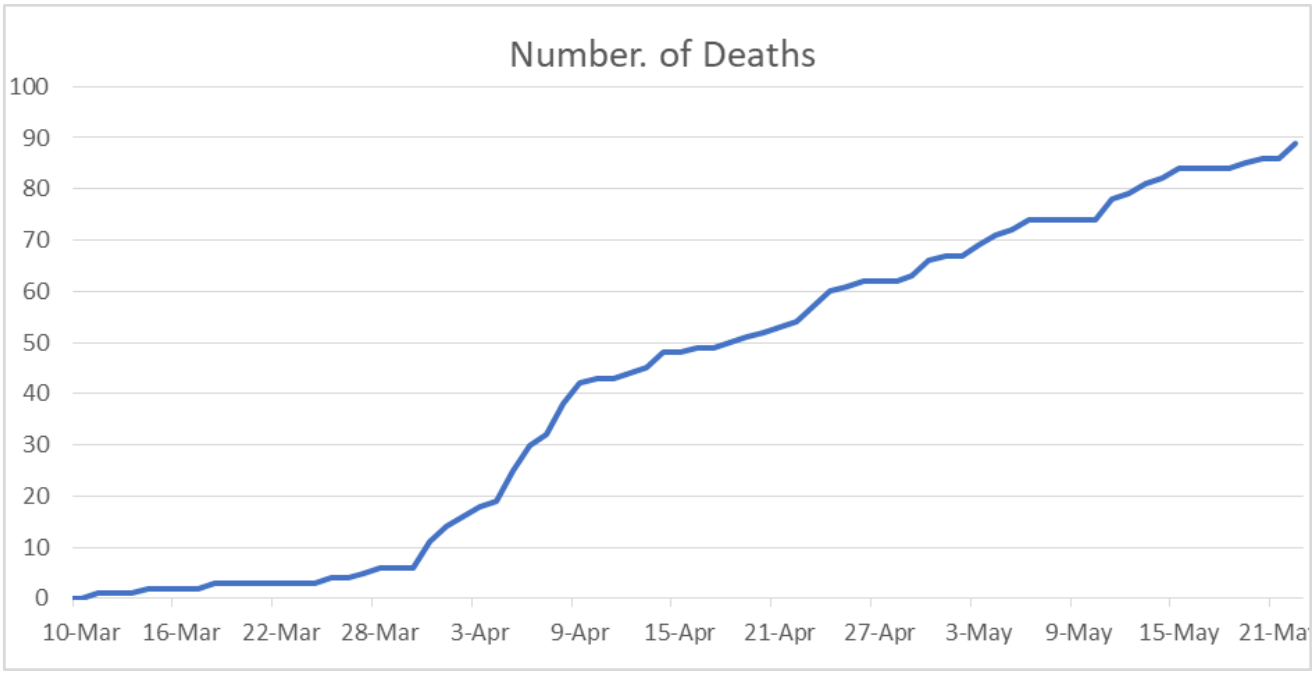
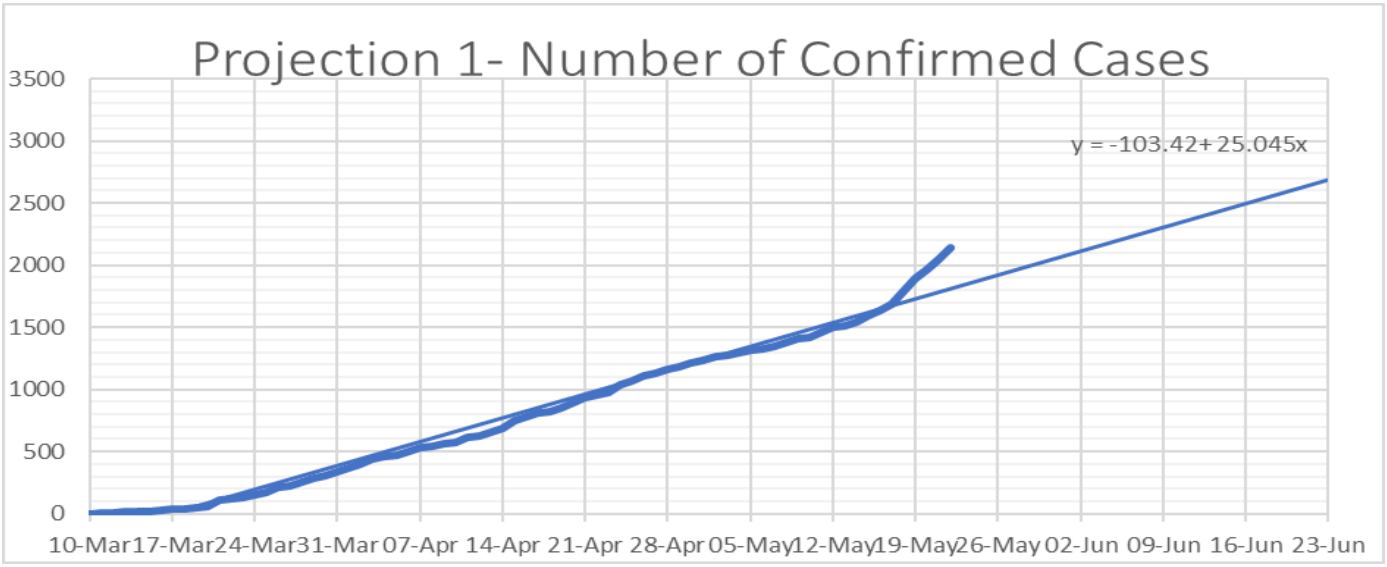


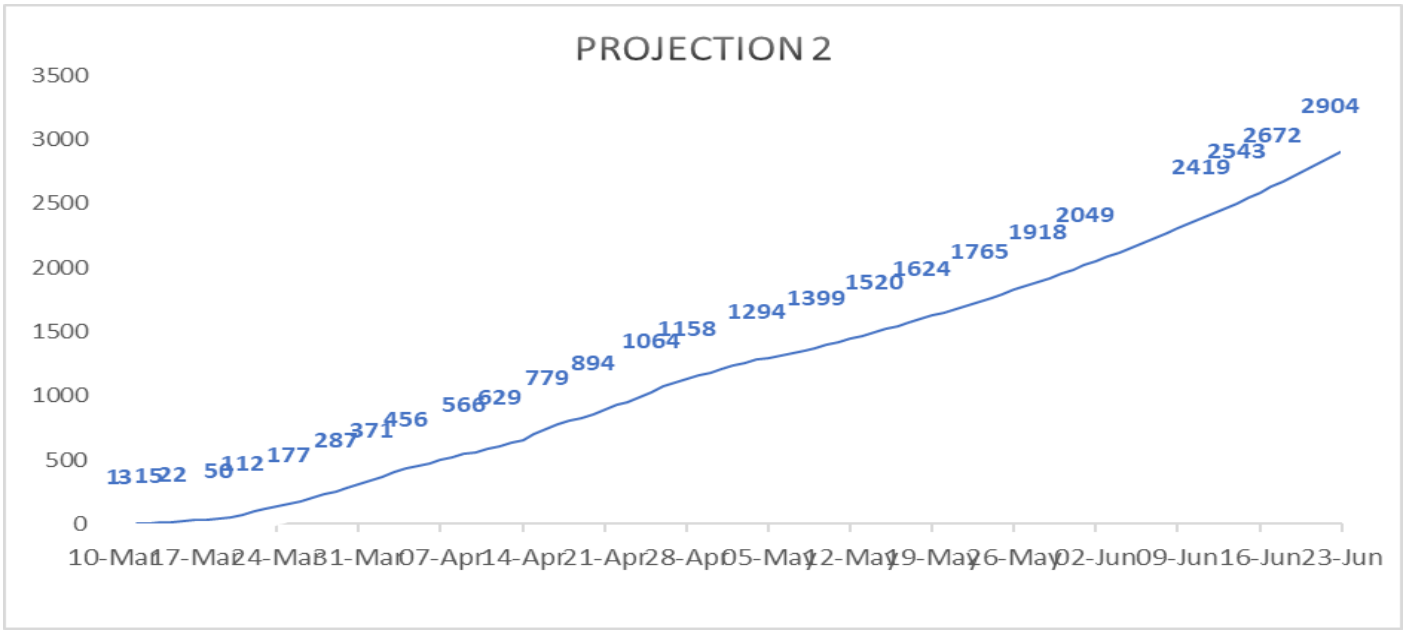
CHART 2: PROJECTION 1-ESTIMATED NUMBER OF CONFIRMED CASES UP TO 23 JUNE 2020– USING A LINEAR TRENDLINE



Note: From previous issues the linear trendline was extended to **23 June 2020**. Using the equation of the line, the predicted value for 22 May is **1725** cases as compared to the actual value which is **2241** cases. It is clear that there is an upward deviation in the curve from the estimated trendline.

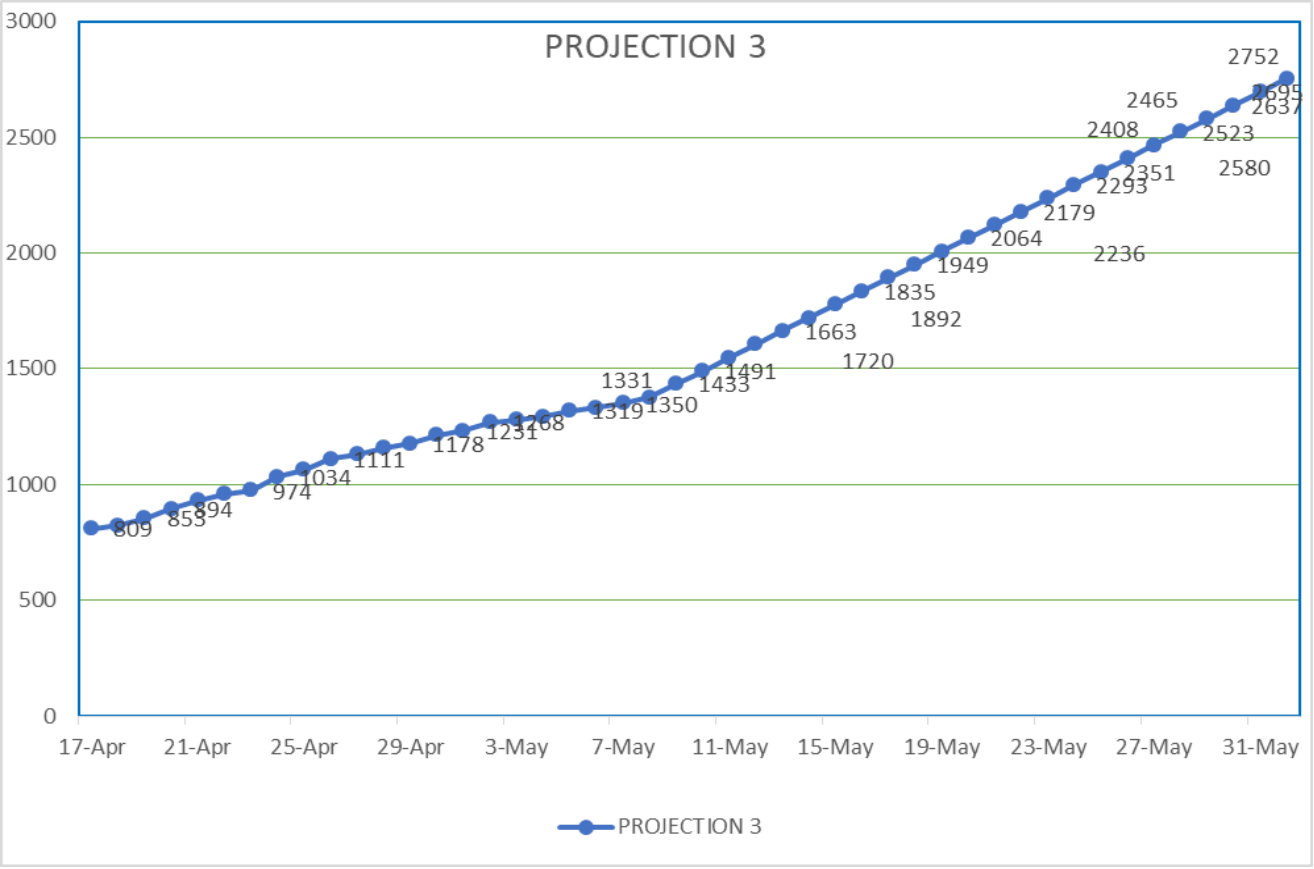
Please check the Explanatory Notes on how to use the equation to get the predicted values.

CHART 2A: UPDATED PROJECTION 2 - NUMBER OF CONFIRMED CASES UP TO 23 JUNE 2020, USING GROWTH RATES (1-8 MAY 2020)



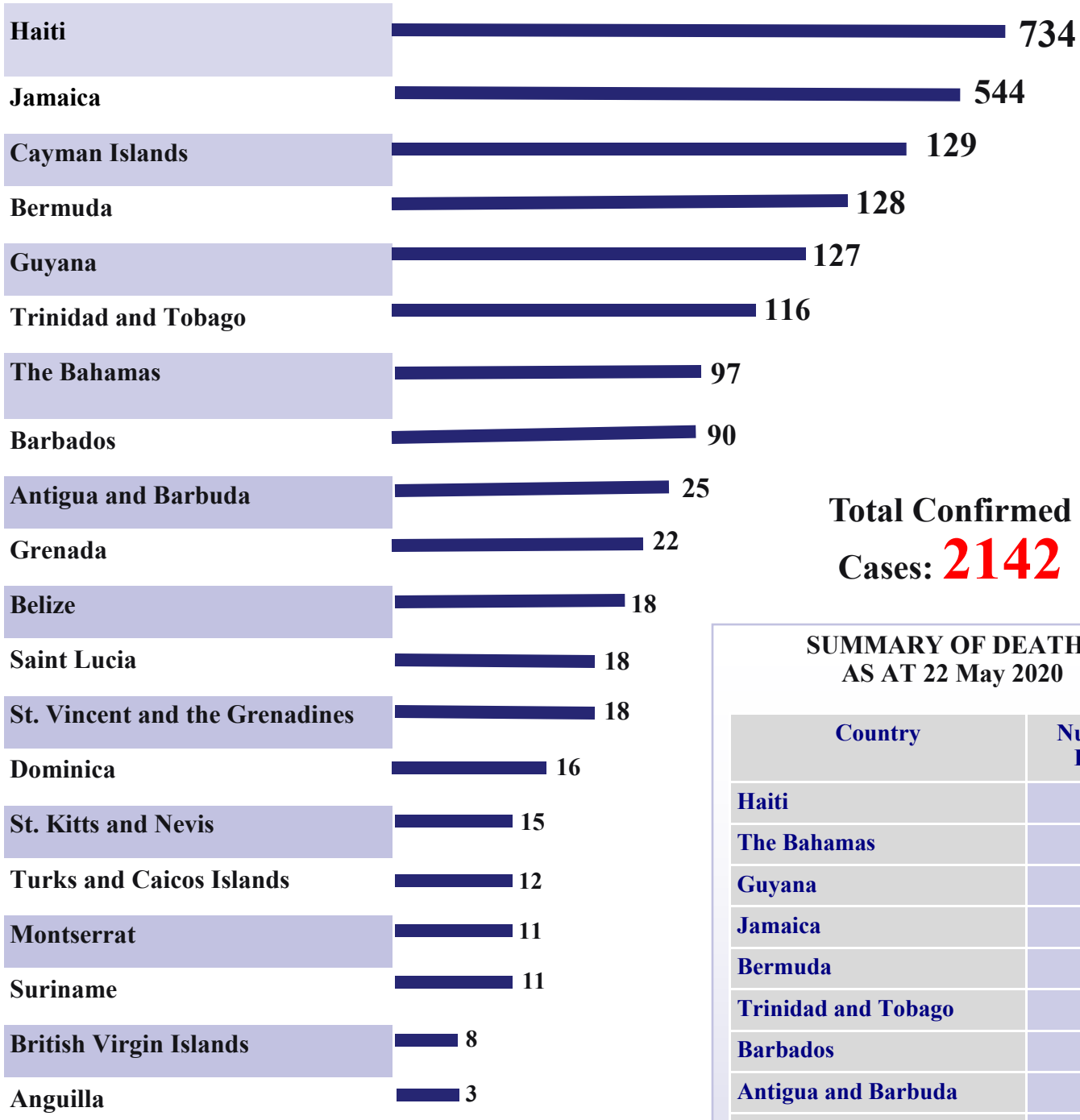
Note: The projected value for 22 May is **1736**., while the actual value was **2241** reflecting a higher growth rate than was used in this projection undertaken in the previous issue. The new cases for the week 16-22 June was 553 as compared to 163 new cases in the period (1-8 May) in which the growth rate was used in estimating this projection.

CHART 2B PROJECTION 3—NUMBER OF CONFIRMED CASES UP T 31 MAY 2020 BASED ON 24 -DAY DOUBLING PERIOD



Note: The projected value for **22 May** is **2179**, as compared to the actual value of **2241**. The actual doubling period as at 22 May is 27 days compared to 24 days used in this estimate. Of the three projections, this one performed the best. Essentially, the number of confirmed cases increased significantly over the last week of data 16-22 May and was more in line with the 24-day doubling period.

SUMMARY OF CONFIRMED CASES AS AT 22 MAY 2020



Total Confirmed Cases: 2142

Total Deaths: 89

Note: Haiti has now moved to the top relative to the number of confirmed cases. Cayman Islands is now in third place compared to sixth in the previous reporting week. Trinidad and Tobago is now in sixth place compared to second place for several weeks. Haiti has contributed to the entire increase in deaths.

SUMMARY OF DEATHS AS AT 22 May 2020

Country	Number of Deaths
Haiti	25
The Bahamas	11
Guyana	10
Jamaica	9
Bermuda	9
Trinidad and Tobago	8
Barbados	7
Antigua and Barbuda	3
Belize	2
Montserrat	1
Suriname	1
British Virgin Islands	1
Cayman Islands	1
Turks and Caicos Islands	1

TABLE 2: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION IN CARICOM –SELECTED COUNTRIES- 10 APRIL –22 MAY

COUNTRY	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May	22-May
CARICOM -ALL COUNTRIES	3.18	4.45	5.69	6.78	7.57	8.75	11.79
CARICOM EXCLD HAITI	7.58	10.62	13.35	15.95	17.31	18.27	19.55
ANTIGUA AND BARBUDA	22.10	24.21	25.26	26.31	26.31	26.31	26.31
THE BAHAMAS	11.01	14.42	19.14	21.50	24.65	25.18	25.44
BARBADOS	24.40	27.31	28.04	29.49	30.22	30.95	32.77
BERMUDA	75.03	129.74	170.38	178.20	184.45	192.27	200.08
CAYMAN ISLANDS	68.38	92.69	106.36	112.44	123.08	142.83	196.01
GUYANA	4.99	8.50	9.85	11.07	12.55	15.65	17.14
HAITI	0.27	0.39	0.63	0.71	1.13	2.39	6.43
JAMAICA	2.38	5.98	10.56	15.84	17.97	18.74	19.94
TRINIDAD & TOBAGO	8.02	8.39	8.46	8.53	8.53	8.53	8.53

Note: Please check the **Explanatory Notes repeated in this Issue** for the use of a rate per 100,000 population in comparing values across countries.

Of the countries with ***25 or more confirmed cases***, **the top five countries** for the number of confirmed cases per 100,000 population as at 22 May are: ***Bermuda, Cayman Islands, Barbados, Antigua and Barbuda and The Bahamas.***

Montserrat (less than 11 confirmed cases) not shown in this table has the highest rate as at 22 May.

Haiti and Trinidad and Tobago have rates below the rate for all CARICOM Countries.

Information on the number of confirmed cases per 100, 000 population as at 22 May for those countries that are not shown can be requested. Please check previous Issues for rates for earlier periods.

CHART 3: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION- CARICOM WITH AND WITHOUT HAITI 26 MARCH-22 MAY

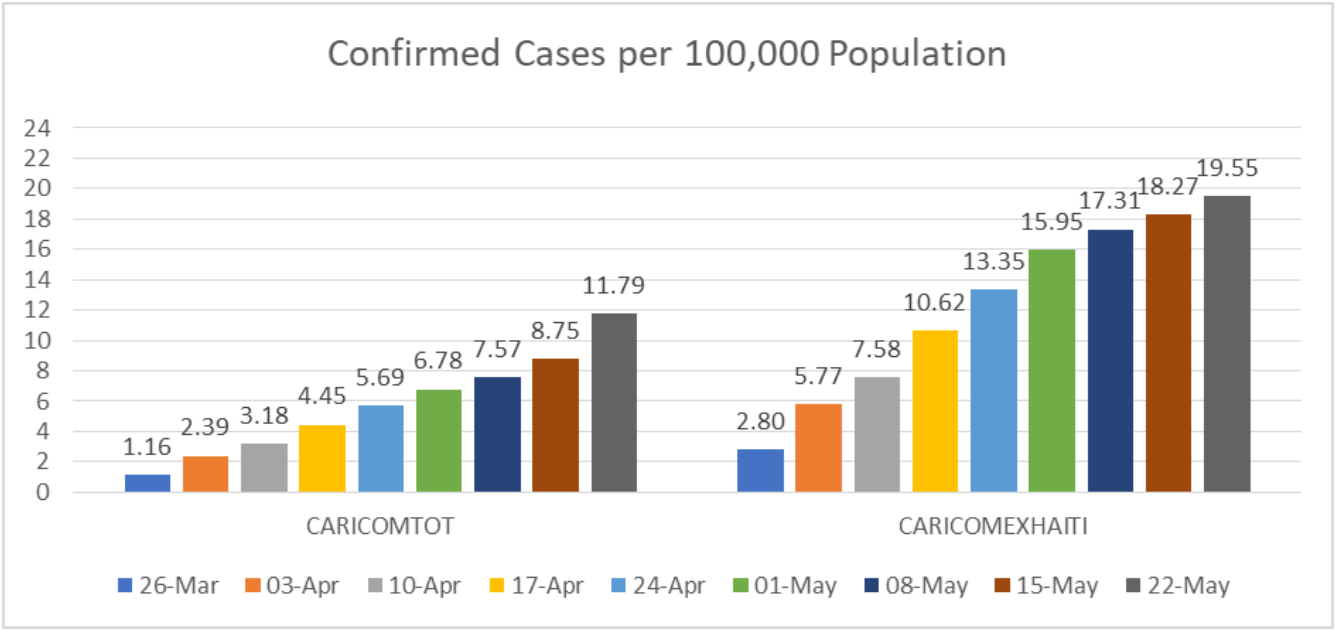


CHART 3A: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION – SELECTED COUNTRIES 26 MARCH-22 MAY

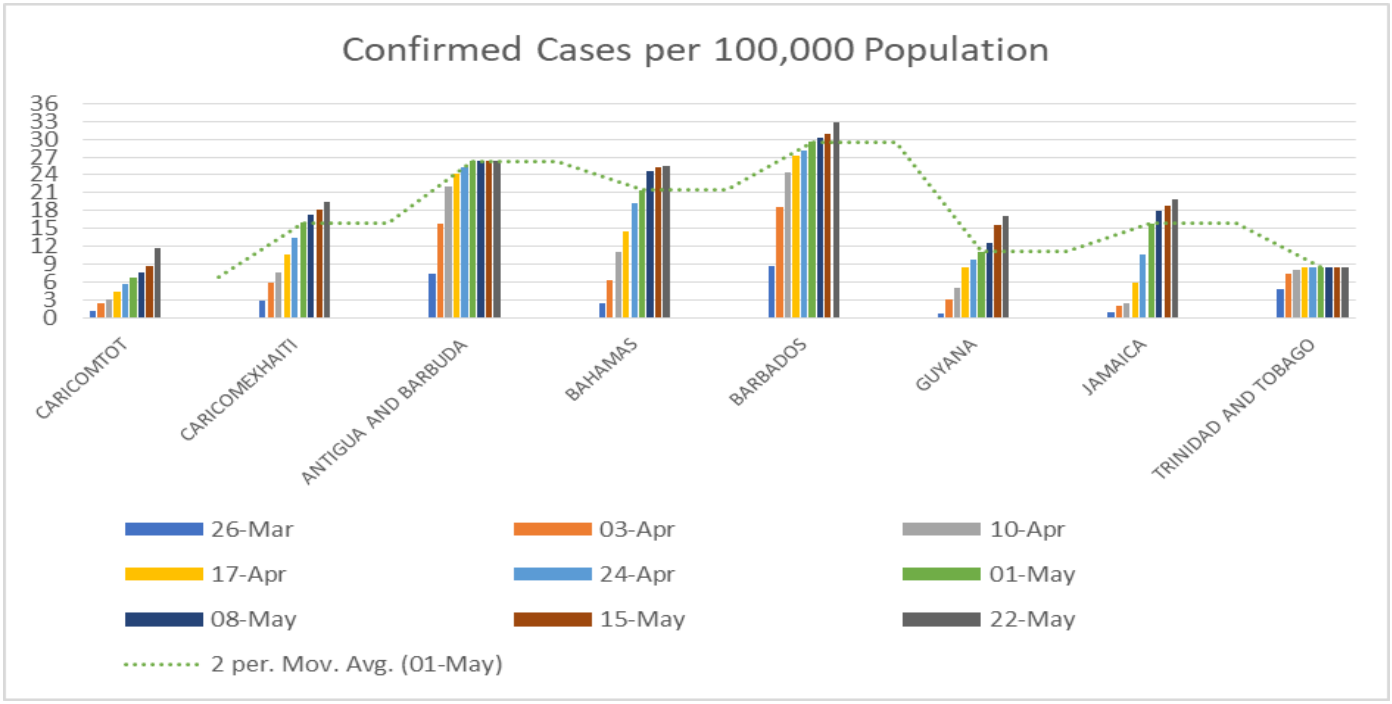


CHART 3B: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION – BERMUDA AND CAYMAN ISLANDS -26 MARCH-22 MAY

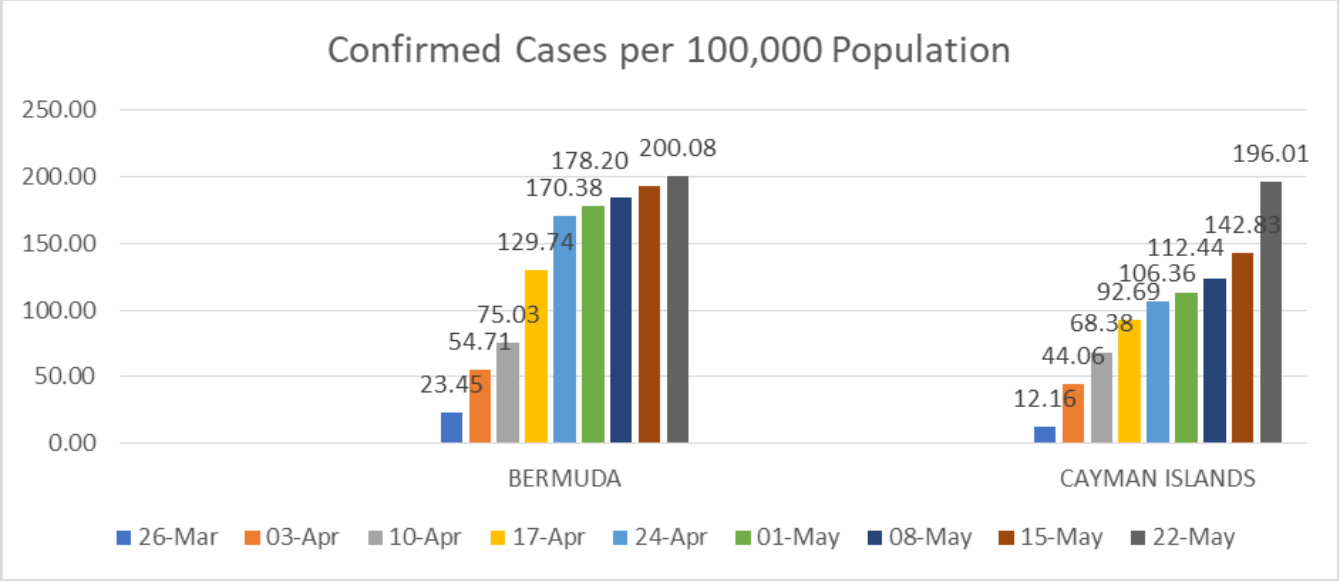


CHART 3C: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION- HAITI - 26 MARCH-22 MAY

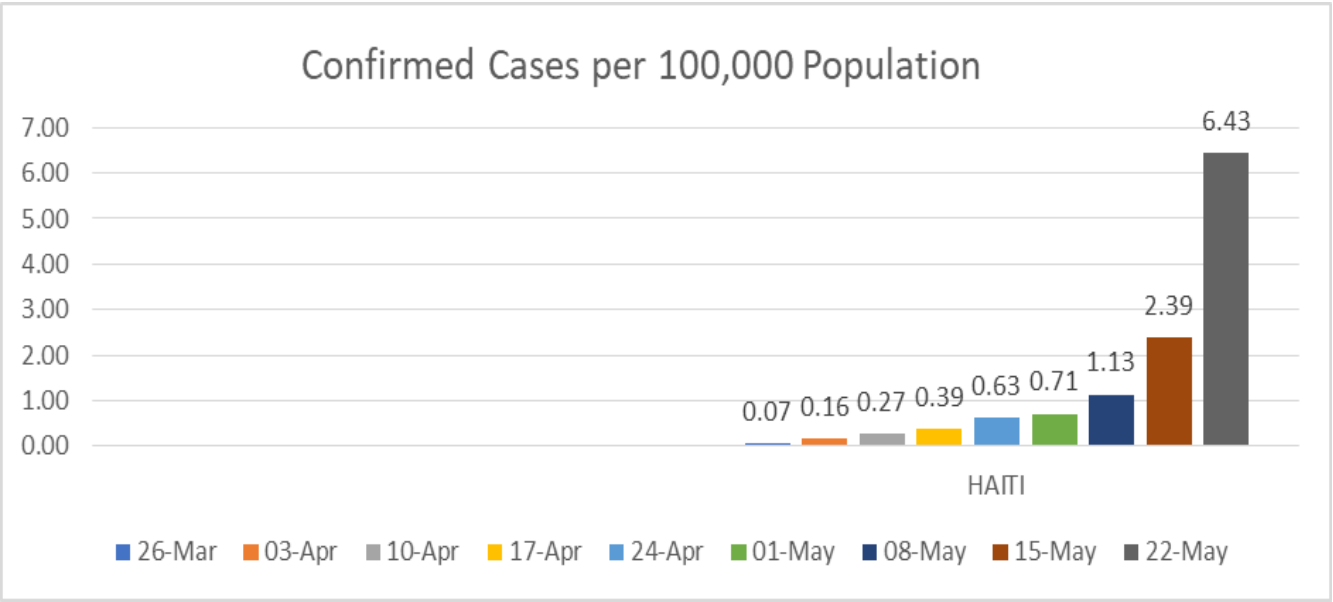


CHART 3D: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION - GUYANA, JAMAICA AND TRINIDAD AND TOBAGO- 26 MARCH-22 MAY

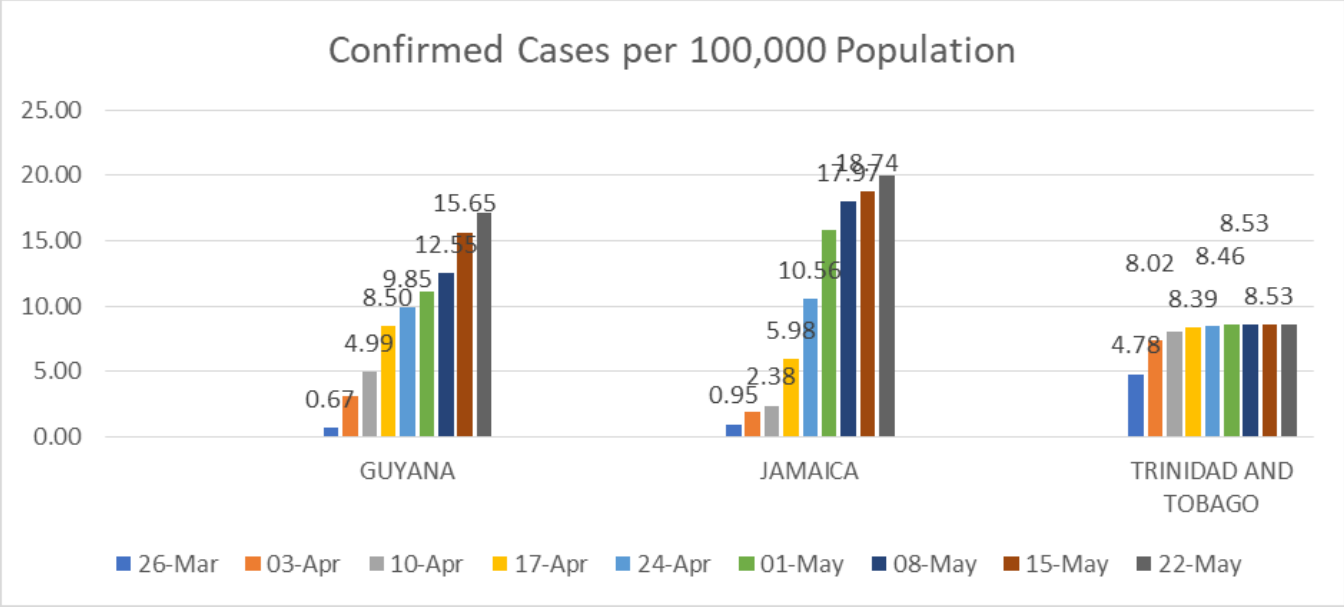


CHART 3E: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION ANTIGUA AND BARBUDA, THE BAHAMAS AND BARBADOS 26 MARCH-22 MAY

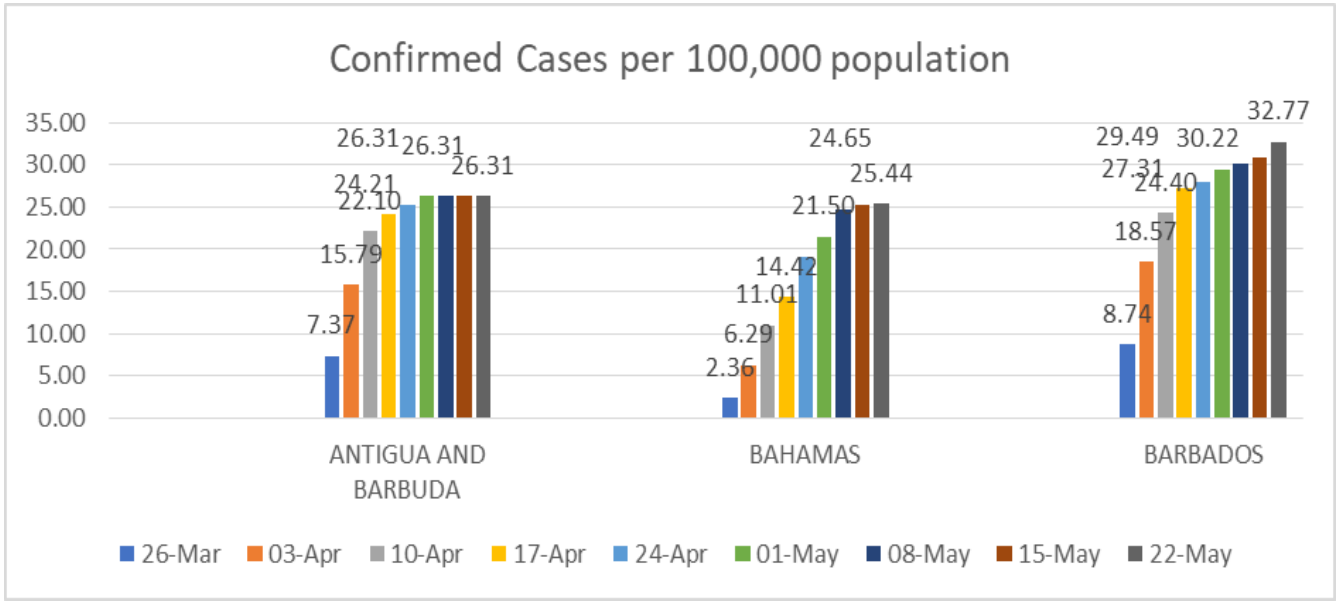


TABLE 3: NUMBER OF DEATHS PER 100,000 POPULATION 10 APRIL –22 MAY

	DATE						
COUNTRY	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May	22-May
CARICOM ALL COUNTRIES	0.24	0.27	0.33	0.37	0.41	0.46	0.49
CARICOM EXCL. HAITI	0.57	0.64	0.76	0.82	0.86	0.89	0.89
ANTIGUA AND BARBUDA	2.10	3.16	3.16	3.16	3.16	3.16	3.16
THE BAHAMAS	2.10	2.36	2.88	2.88	2.88	2.88	2.88
BARBADOS	1.46	1.82	2.18	2.55	2.55	2.55	2.55
BERMUDA	6.25	7.82	7.82	9.38	10.94	14.07	14.07
BELIZE	0.50	0.50	0.50	0.50	0.50	0.50	0.50
BRITISH VIRGIN ISLANDS	0.00	0.00	3.43	3.43	3.43	3.43	3.43
CAYMAN ISLANDS	1.52	1.52	1.52	1.52	1.52	1.52	1.52
GUYANA	0.81	0.81	1.08	1.21	1.35	1.35	1.35
HAITI	0.02	0.03	0.04	0.07	0.11	0.18	0.22
JAMAICA	0.15	0.18	0.26	0.29	0.33	0.33	0.33
MONTSERRAT	0.00	0.00	20.00	20.00	20.00	20.00	20.00
SURINAME	0.17	0.17	0.17	0.17	0.17	0.17	0.17
TRINIDAD & TOBAGO	0.59	0.59	0.59	0.59	0.59	0.59	0.59
TURKS AND CAICOS ISLANDS	2.42	2.42	2.42	2.42	2.42	2.42	2.42

Note: The number of deaths per 100,000 population is adjusted for population size. Please check previous issues for rates for earlier periods.

TABLE 3A: DEATHS AS A PERCENTAGE OF THE NUMBER OF CONFIRMED CASES– CASE FATALITY RATES –3 APRIL –22 MAY

COUNTRY	03-Apr	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May	22-May
CARICOM-ALL COUNTRIES	4.1	7.5	6.1	5.8	5.4	5.4	5.3	4.2
ANTIGUA AND BARBUDA	0.0	9.5	13.0	12.5	12.0	12.0	12.0	12.0
THE BAHAMAS	12.5	19.0	16.4	15.1	13.4	11.7	11.5	11.3
BARBADOS	0.0	6.0	6.7	7.8	8.6	8.4	8.2	7.8
BERMUDA	0.0	8.3	6.0	4.6	5.3	5.9	7.3	7.0
BELIZE	0.0	20.0	11.1	11.1	11.1	11.1	11.1	11.1
BRITISH VIRGIN ISLANDS	0.0	0.0	0.0	20.0	16.7	14.3	12.5	12.5
CAYMAN ISLANDS	3.4	2.2	1.6	1.4	1.4	1.2	1.1	0.8
GUYANA	17.4	16.2	9.5	11.0	11.0	10.8	8.6	7.9
HAITI	0.0	6.5	6.8	6.9	9.9	9.3	7.3	3.4
JAMAICA	5.7	6.2	3.1	2.4	1.9	1.8	1.8	1.7
MONTSERRAT	0.0	0.0	0.0	9.1	9.1	9.1	9.1	9.1
SURINAME	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.1
TRINIDAD & TOBAGO	6.0	7.3	7.0	7.0	6.9	6.9	6.9	6.9
TURKS AND CAICOS ISLANDS	0.0	12.5	9.1	9.1	8.3	8.3	8.3	8.3

Note: The number of deaths to confirmed cases reflects a fatality rate that does not take the population size into consideration. Please check previous issues for values for earlier periods.

CHART 4: DEATHS AS A PERCENTAGE OF CONFIRMED CASES- ALL COUNTRIES-CASE FATALITY RATES 22 MAY

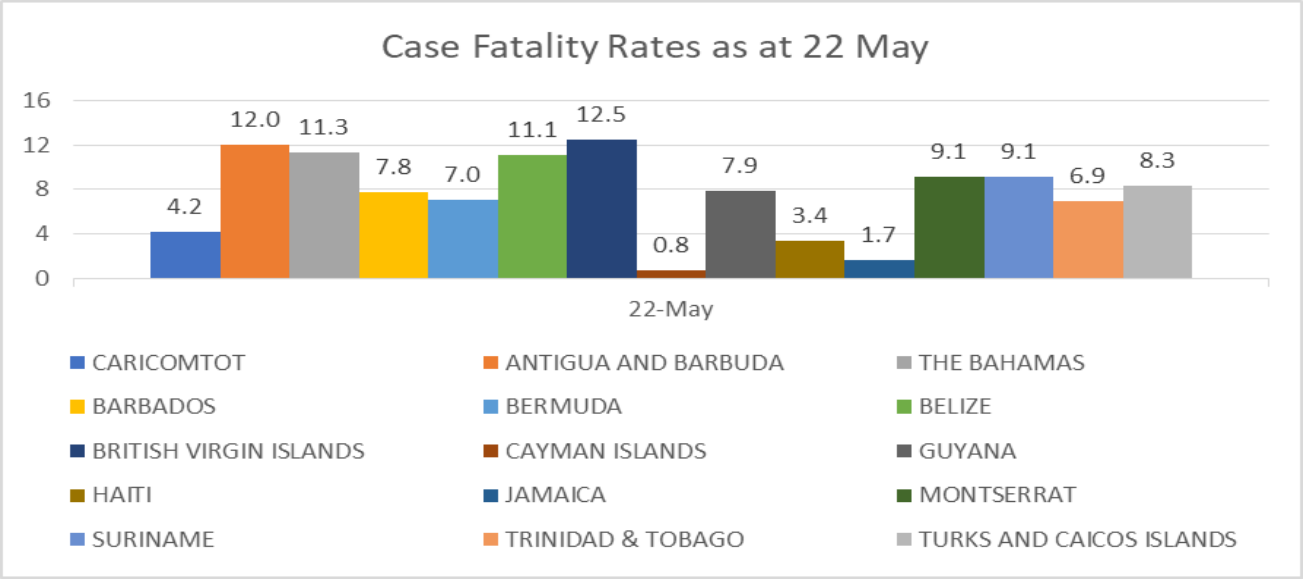


CHART 4A: DEATHS AS A PERCENTAGE OF CONFIRMED CASES- SELECTED COUNTRIES-CASE FATALITY RATES 26 MARCH- 22 MAY

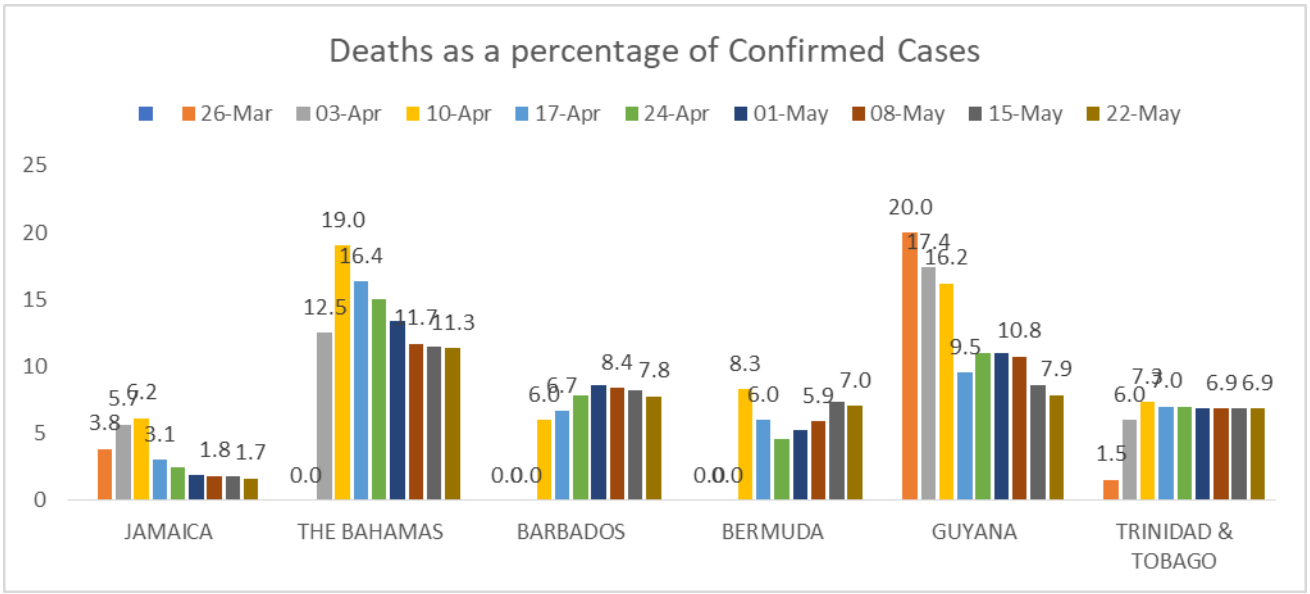
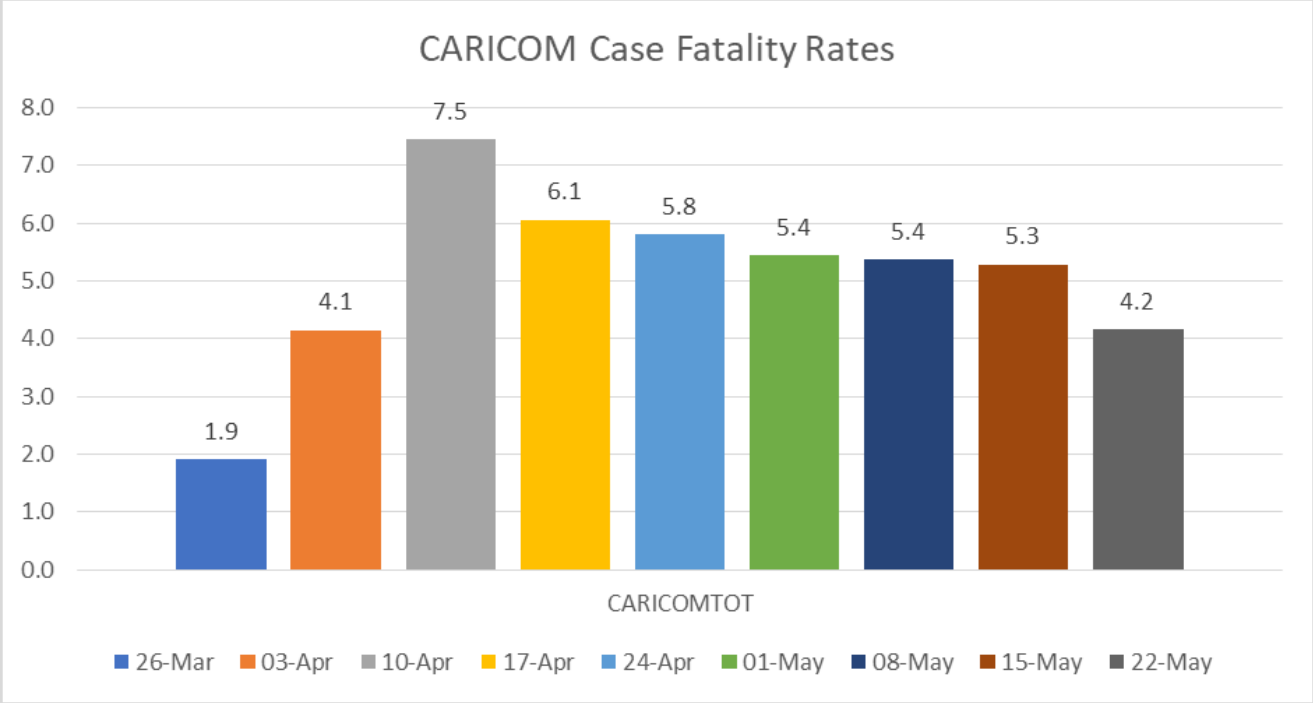
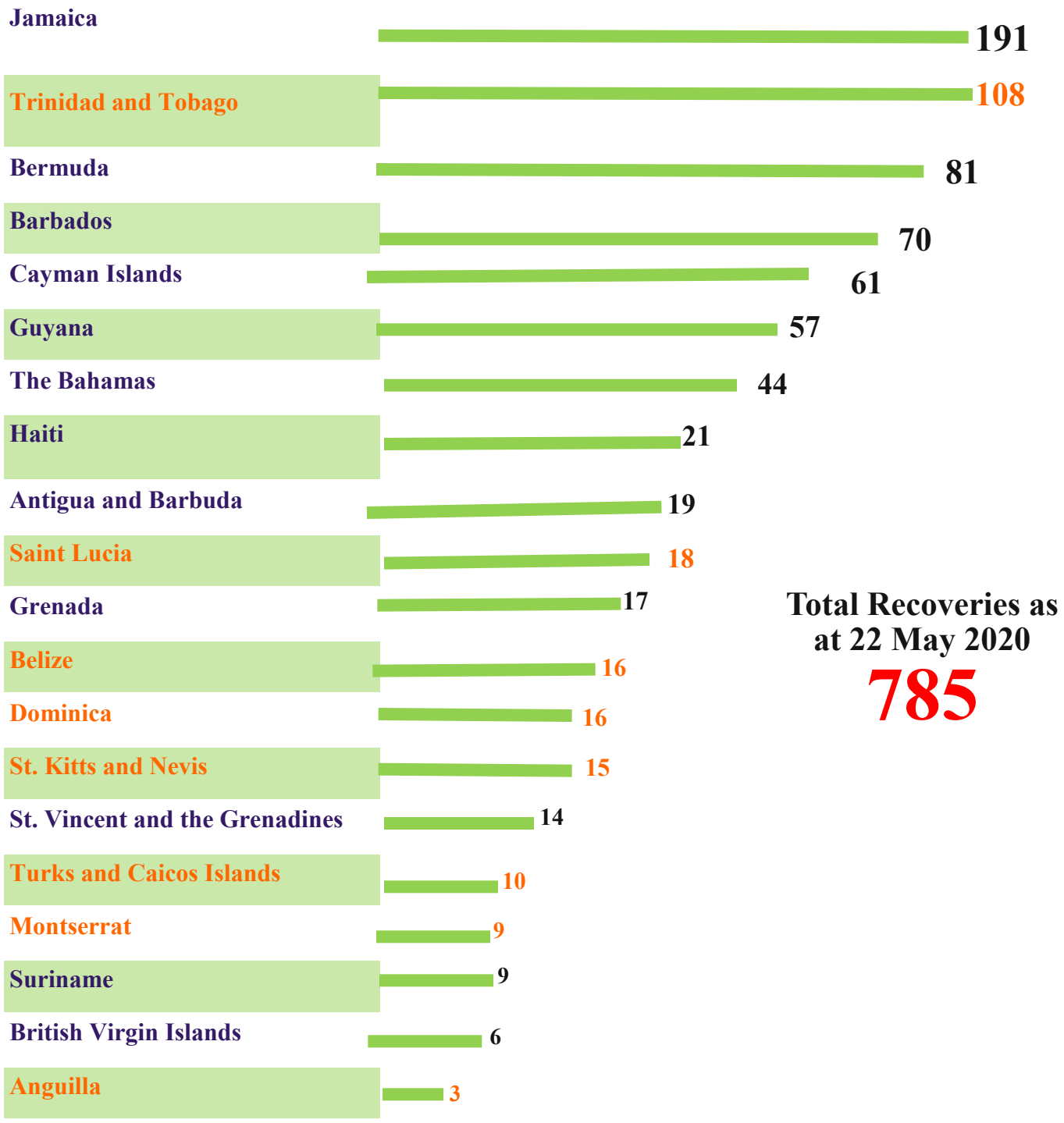


CHART 4B: CARICOM—ALL COUNTRIES- CASE FATALITY RATES 26 MARCH - 22 MAY



SUMMARY OF RECOVERED CASES AS AT 22 MAY 2020



Total Recoveries as at 22 May 2020

785

FOR COUNTRIES SHOWN IN ORANGE, ALL ACTIVE CASES HAVE RECOVERED .

TABLE 4: ACTIVE CASES, RECOVERIES, NUMBER OF TESTS CONDUCTED AND HOSPITALISATIONS AS AT 22 MAY 2020

COUNTRY	CONFIRMED CASES	RECOVERIES	ACTIVE CASES	NO. OF TESTS	HOSPITALISATIONS
Jamaica	544	191	344	9554	24
Trinidad and Tobago	116	108	0	2866	0
Bermuda	128	81	38	6133	4
Barbados	90	70	13	4541	
Cayman Islands	129	61	67	8426	0
Guyana	127	57	60	1366	
The Bahamas	97	44	42	1910	6
Haiti	734	21	688	2519	282
Antigua and Barbuda	25	19	3	183	
Saint Lucia	18	18	0	867	0
Grenada	22	17	4	472	
Belize	18	16	0	1465	0
Dominica	16	16	0	433	
St Kitts and Nevis	15	15	0	391	0
St Vincent and the Grenadines	18	14	4	175	
Turks and Caicos Islands	12	10	0	121	0
Montserrat	11	9	0	62	0
Suriname	11	9	1	488	
British Virgin Islands	8	6	1	167	
Anguilla	3	3	0	-	0

Note: The table is sorted by descending order of recoveries.

All active cases in Anguilla, Belize, Dominica, Montserrat, Saint Lucia, St Kitts and Nevis, Trinidad and Tobago and Turks and Caicos Islands have recovered. British Virgin Islands, and Suriname are each at one active case.

Table 5: NUMBER OF TESTS AND RATE PER 100,000 POPULATION – SELECTED COUNTRIES AS AT 22 MAY 2020

COUNTRY	NO. OF TESTS	NO. OF TESTS PER 100,000 POPULATION
Antigua and Barbuda	183	192.6
The Bahamas	1910	500.9
Barbados	4541	1653.5
Belize	1465	368.0
Bermuda	6133	9586.9
British Virgin Islands	167	572.9
Cayman Islands	8426	12802.9
Dominica	433	601.4
Grenada	472	423.4
Guyana	1366	184.3
Haiti	2519	22.1
Jamaica	9554	350.3
Montserrat	62	1240.0
Saint Lucia	867	484.4
St Kitts and Nevis	391	737.7
St Vincent and the Grenadines	175	157.7
Suriname	488	83.7
Trinidad and Tobago	2866	210.9
Turks and Caicos Islands	121	293.0

Note: The top five countries based on the number of tests per 100,000 are: Cayman Islands, Bermuda, Barbados, Montserrat and St Kitts and Nevis in that order.

It is not known whether these tests are a mix of Rapid Tests and PCR or Polymerase Chain Reaction testing. Wherever this is known the Rapid Tests are removed. Therefore an adjustment was done to the total number of tests for Grenada to reflect only the PCR.

It is also not known how frequent some countries are testing since the total numbers of tests for some countries are repeated over time.

CHART 5: NUMBER OF TESTS PER 100, 000 POPULATION - SELECTED COUNTRIES– BARBADOS, TRINIDAD AND TOBAGO, JAMAICA

18 APRIL - 22 MAY 2020

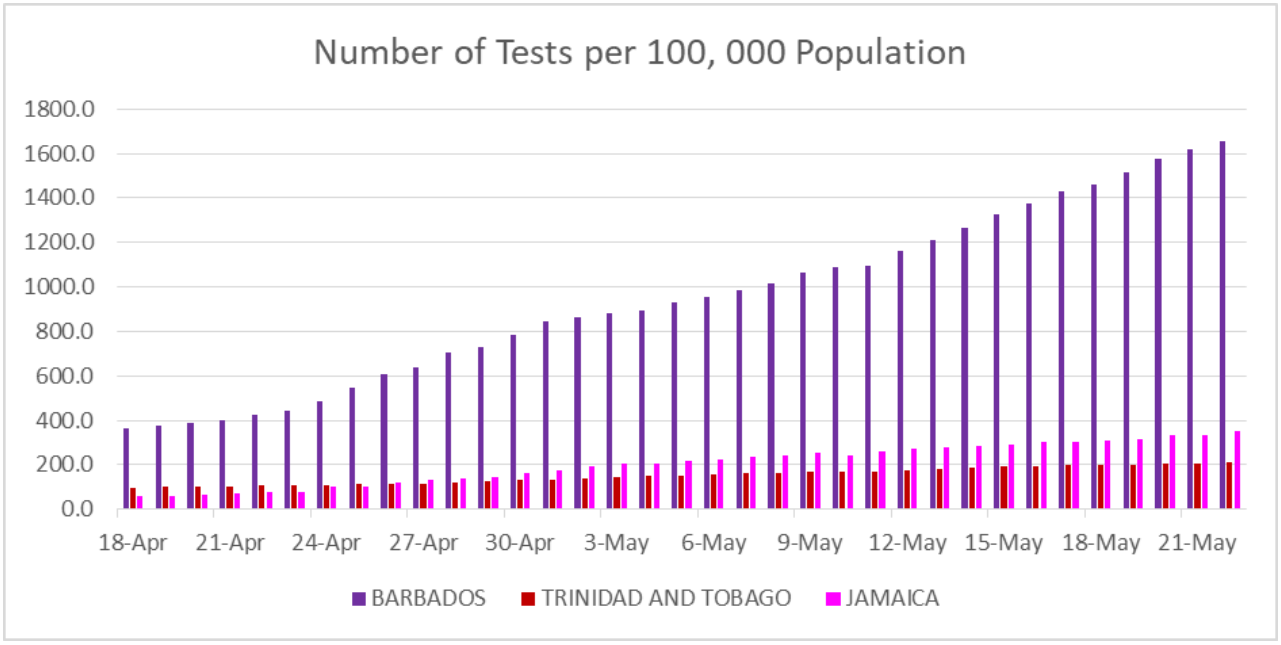


CHART 5A: NUMBER OF TESTS PER 100, 000 POPULATION– CAYMAN ISLANDS

27 APRIL—22 MAY 2020

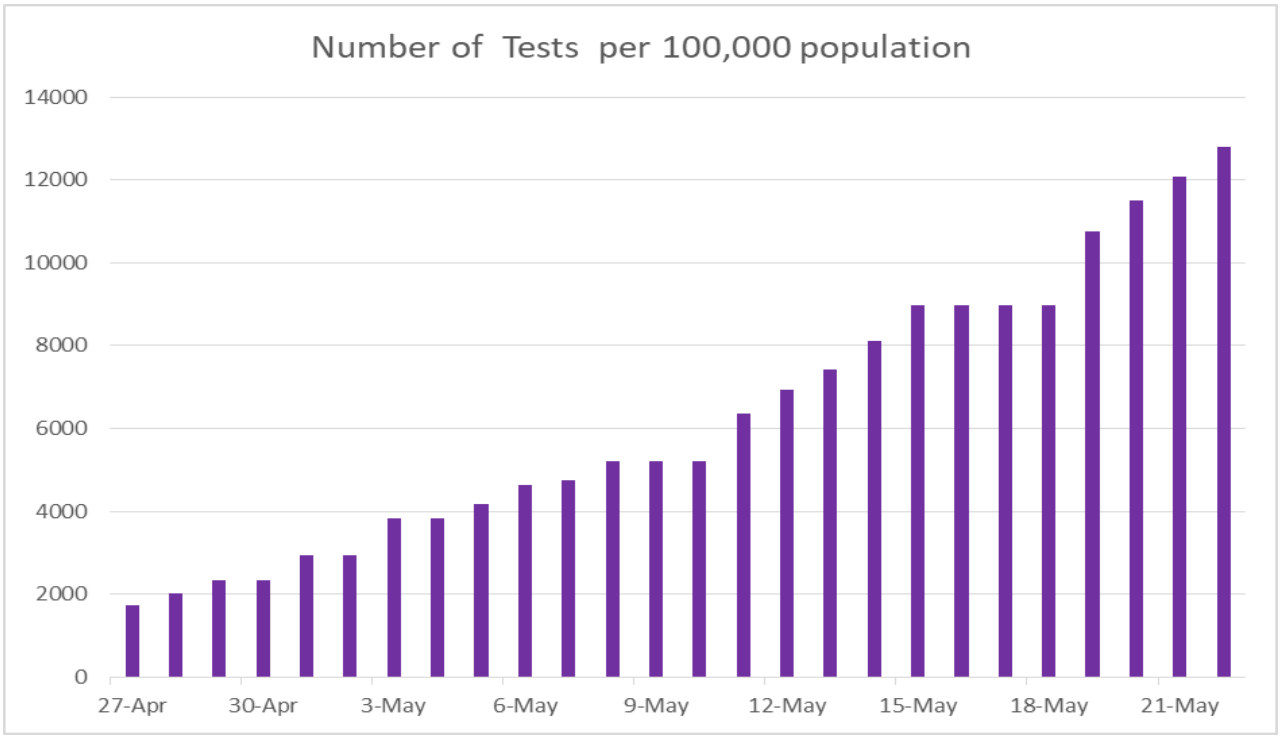


CHART 5B: NUMBER OF RECOVERIES - BARBADOS

18 APRIL - 22 MAY 2020

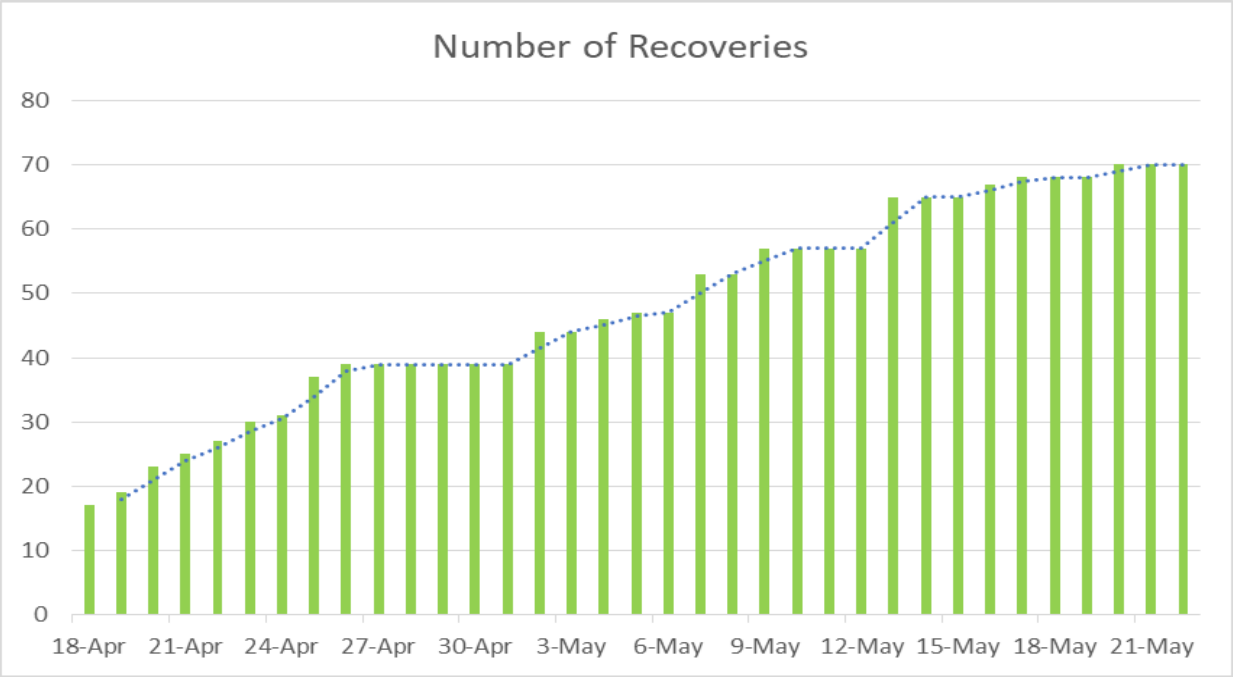


CHART 5C: NUMBER OF ACTIVE CASES - BARBADOS

18 APRIL - 22 MAY 2020

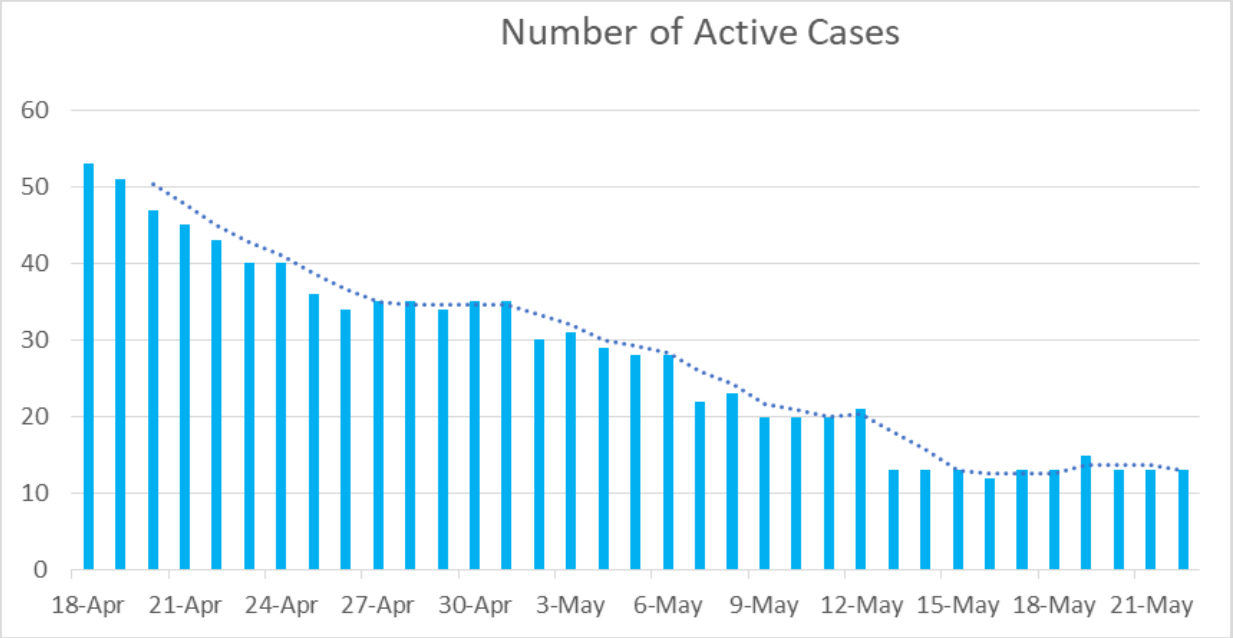


CHART 5D: NUMBER OF TESTS CONDUCTED - BARBADOS

18 APRIL - 22 MAY 2020

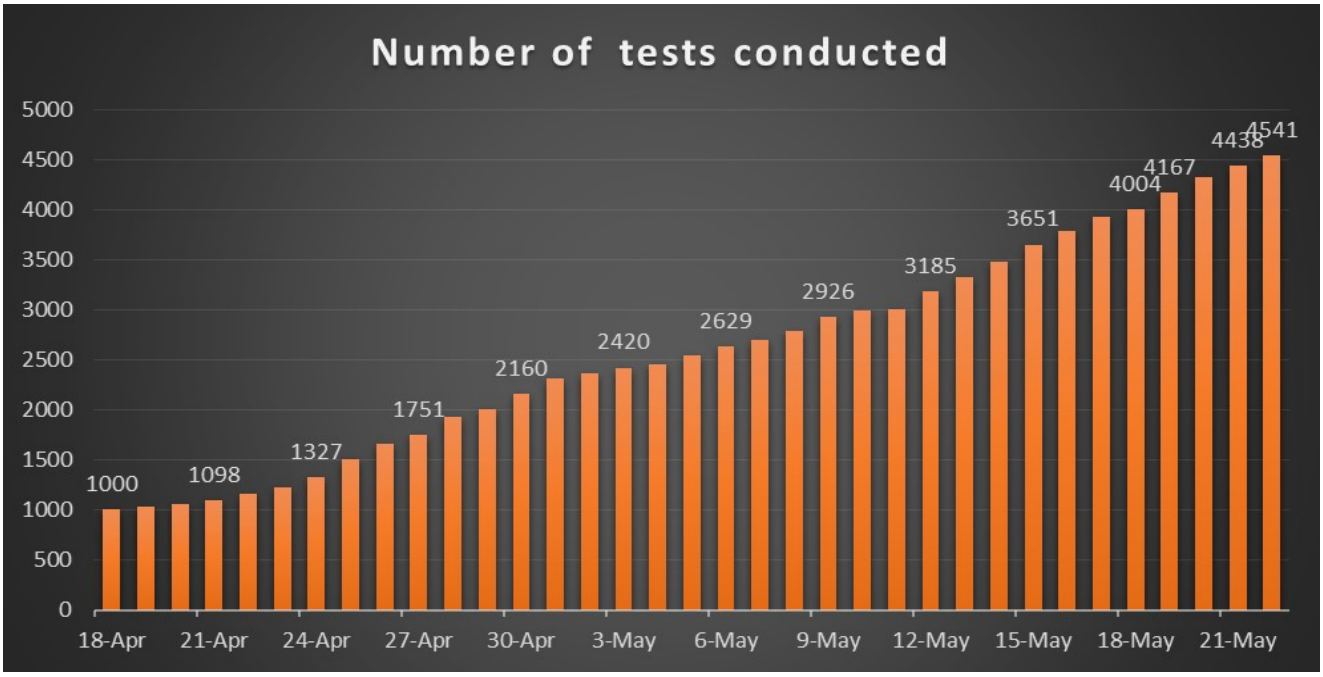


CHART 5E: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - BARBADOS

18 APRIL - 22 MAY 2020

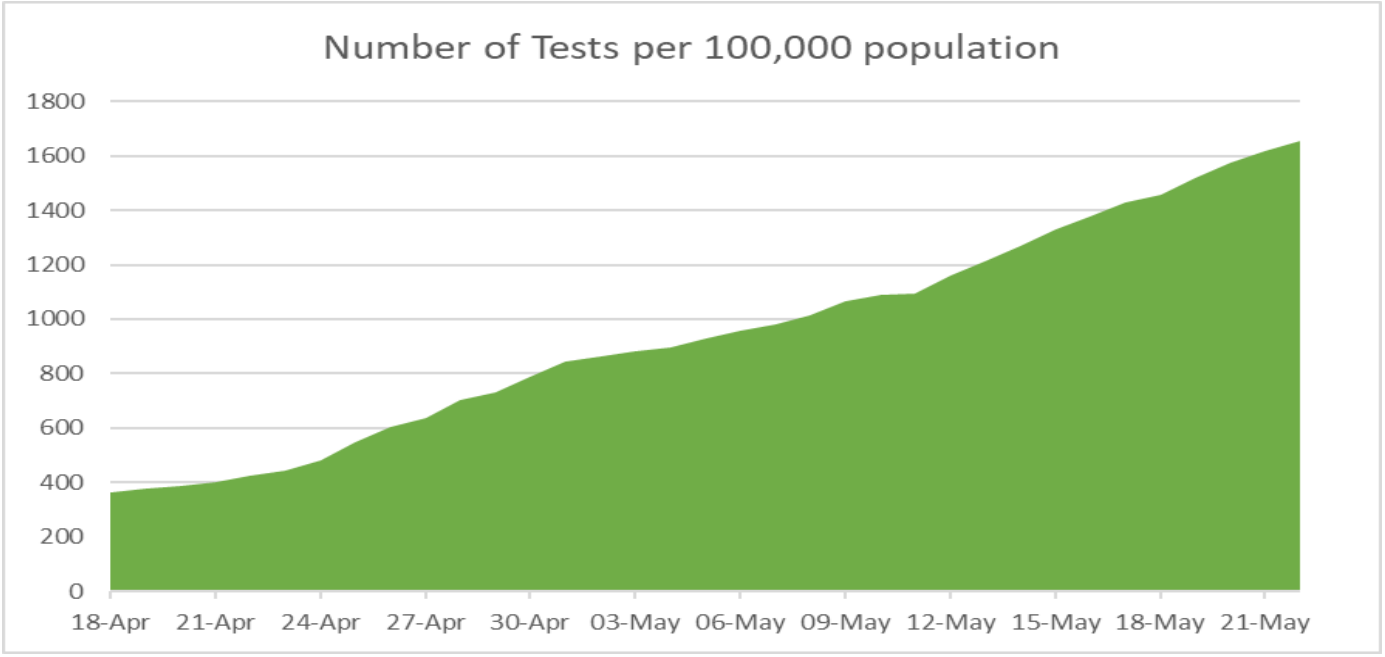


CHART 5F: NUMBER OF RECOVERIES - JAMAICA
18 APRIL– 22 MAY 2020

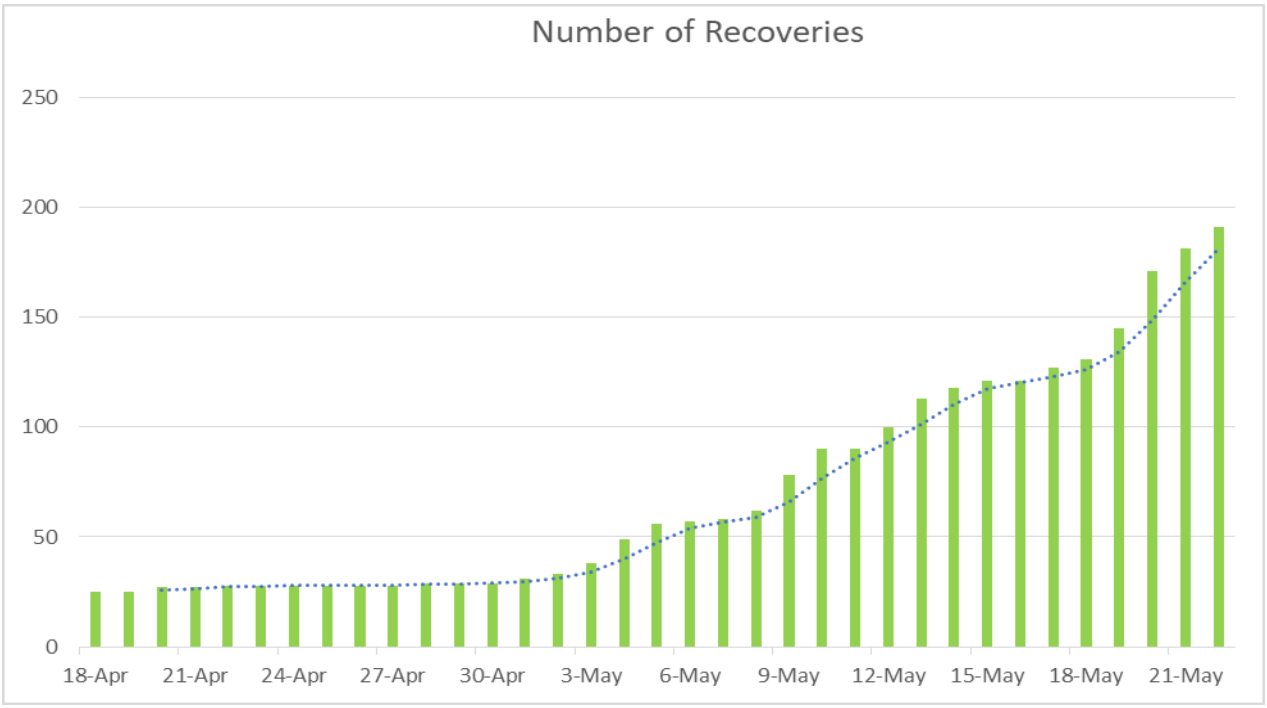


CHART 5G: NUMBER OF ACTIVE CASES - JAMAICA
18 APRIL - 22 MAY 2020

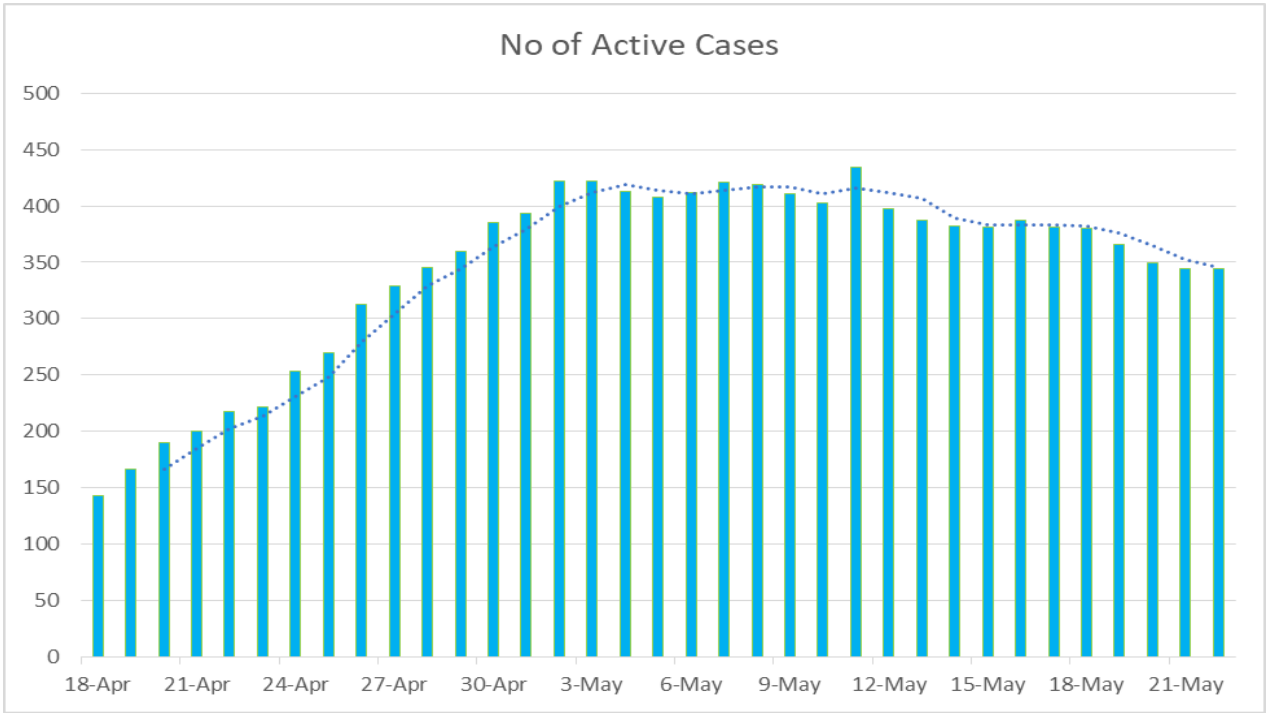


CHART 5H: NUMBER OF TESTS CONDUCTED - JAMAICA
18 APRIL - 22 MAY 2020

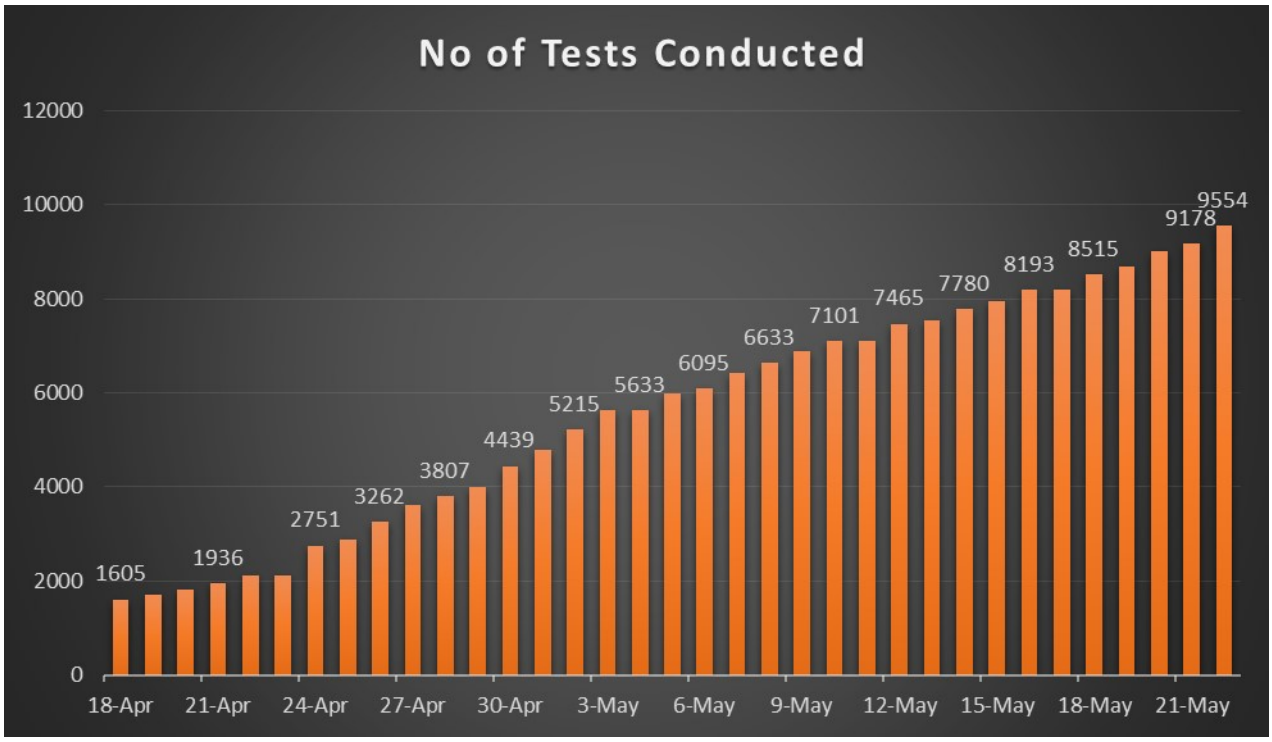


CHART 5I: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - JAMAICA

18 APRIL - 22 MAY 2020

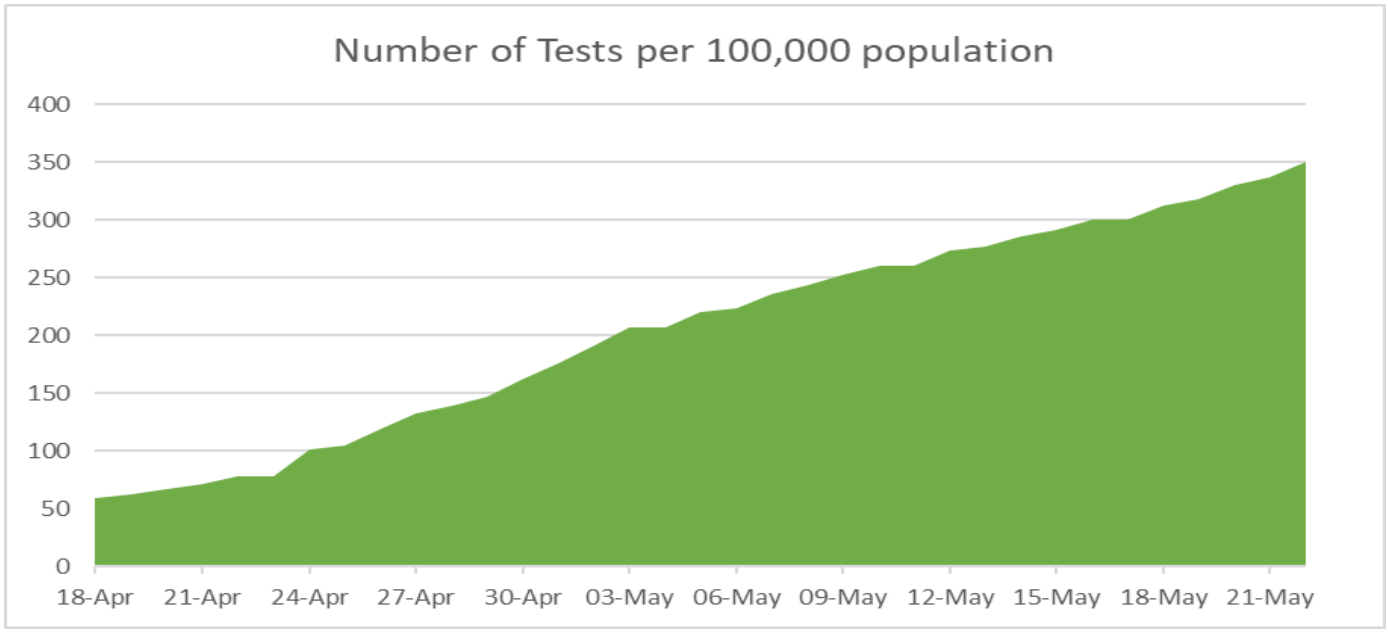


CHART 5J: NUMBER OF RECOVERIES - TRINIDAD AND TOBAGO
18 APRIL - 22 MAY 2020

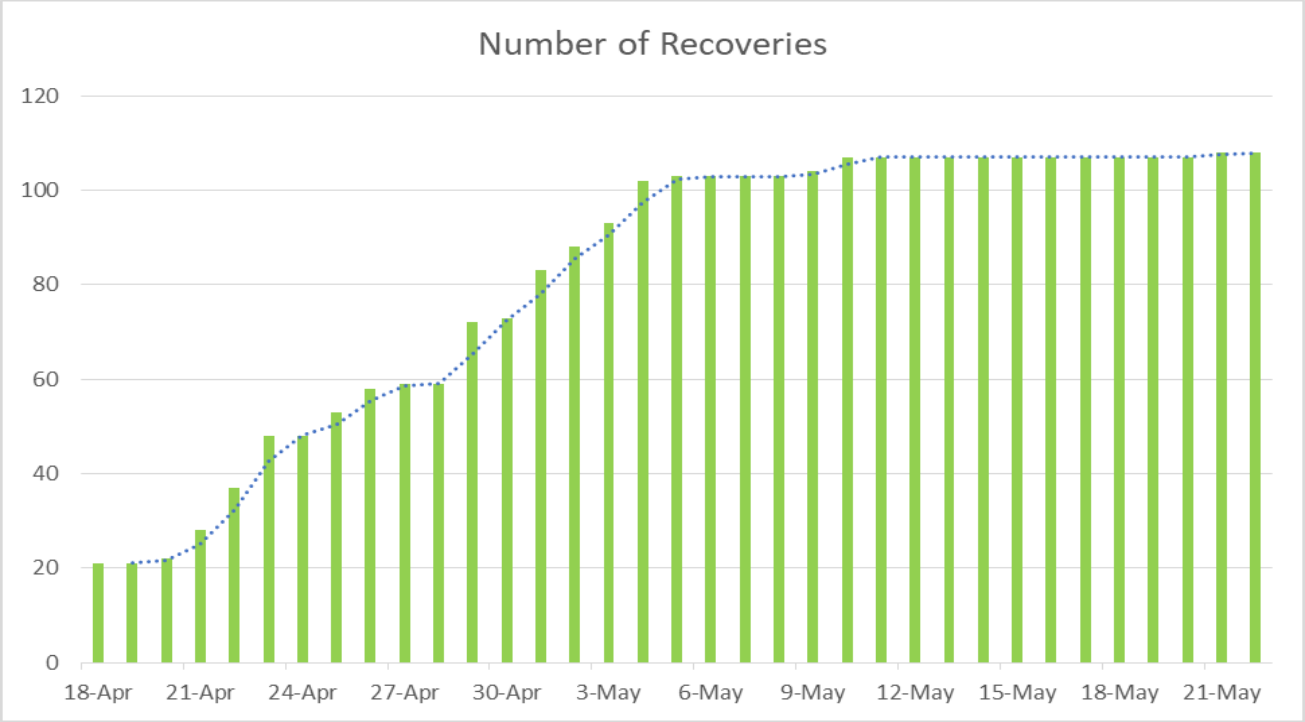


CHART 5K: NUMBER OF ACTIVE CASES- TRINIDAD AND TOBAGO
18 APRIL - 22 MAY 2020

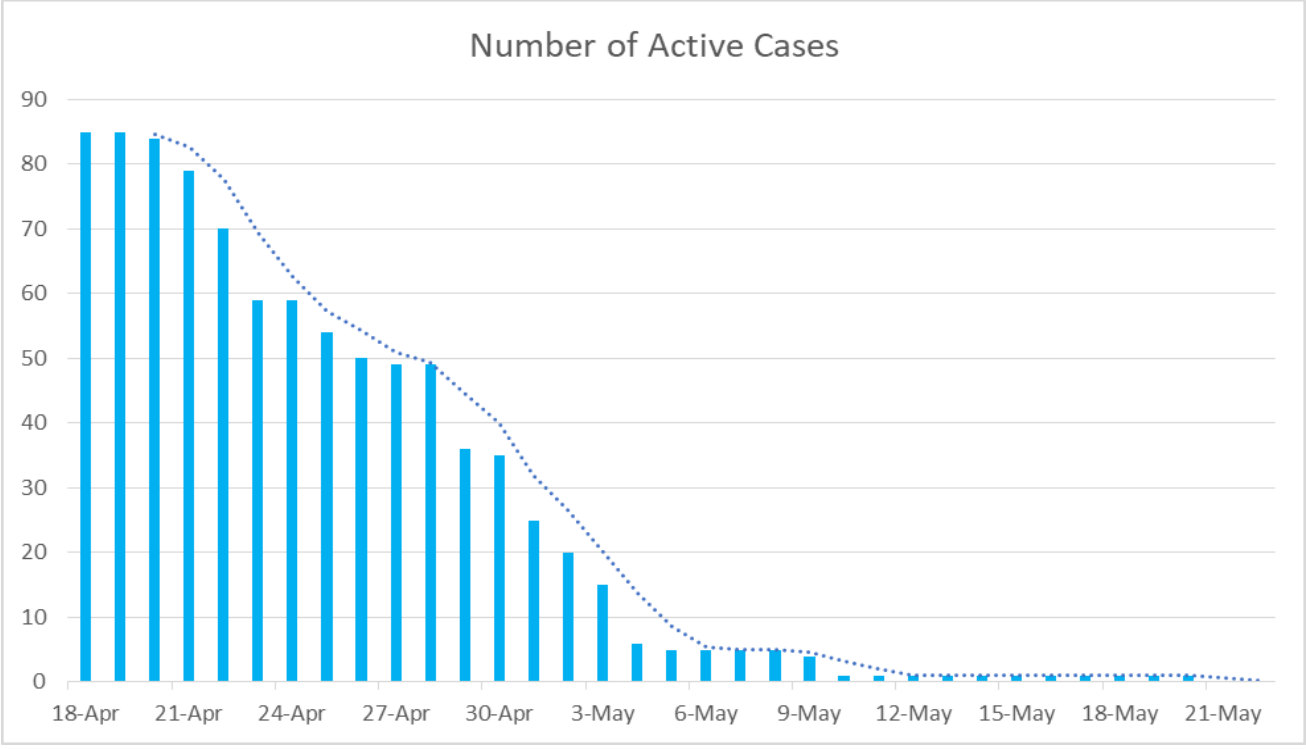


CHART 5L: NUMBER OF TESTS CONDUCTED - TRINIDAD AND TOBAGO
18 APRIL - 22 MAY 2020

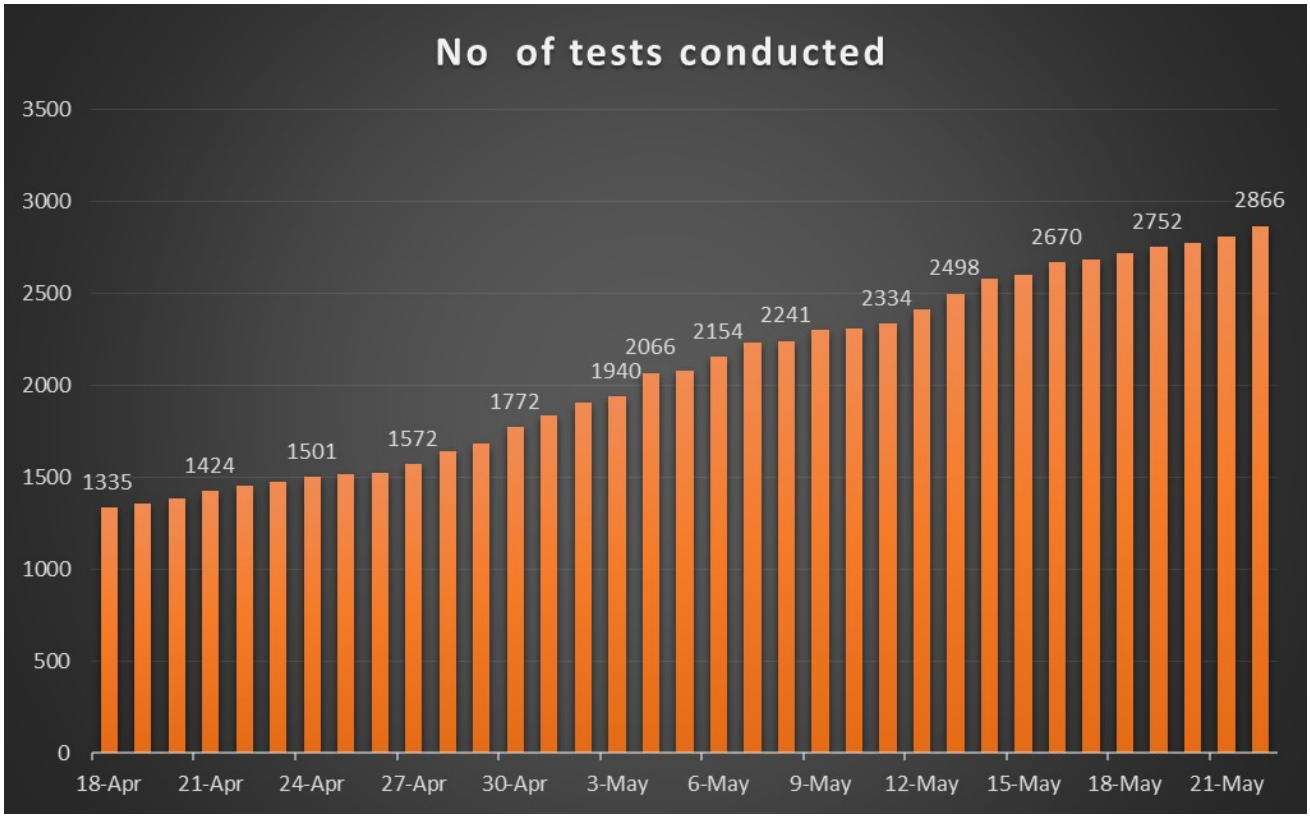


CHART 5M: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - TRINIDAD AND TOBAGO

18 APRIL - 22 MAY 2020

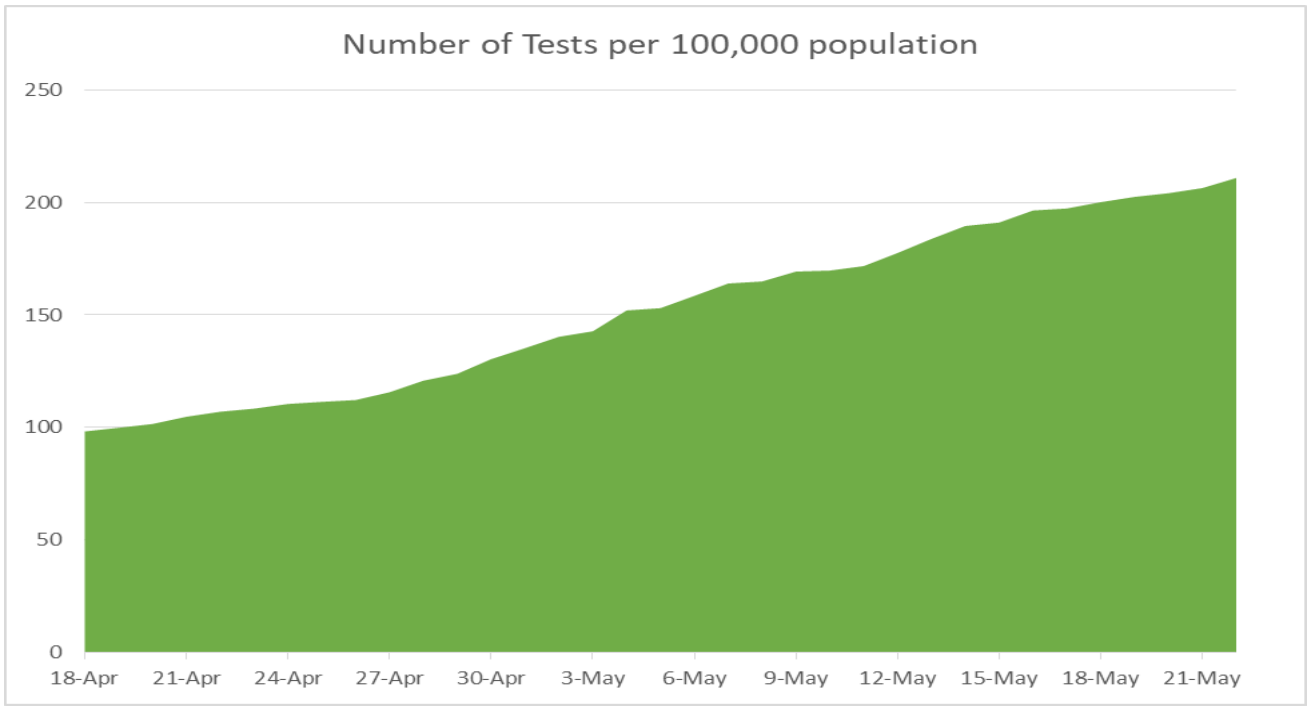


CHART 5N: NUMBER OF RECOVERIES - BERMUDA
18 APRIL - 22 MAY 2020

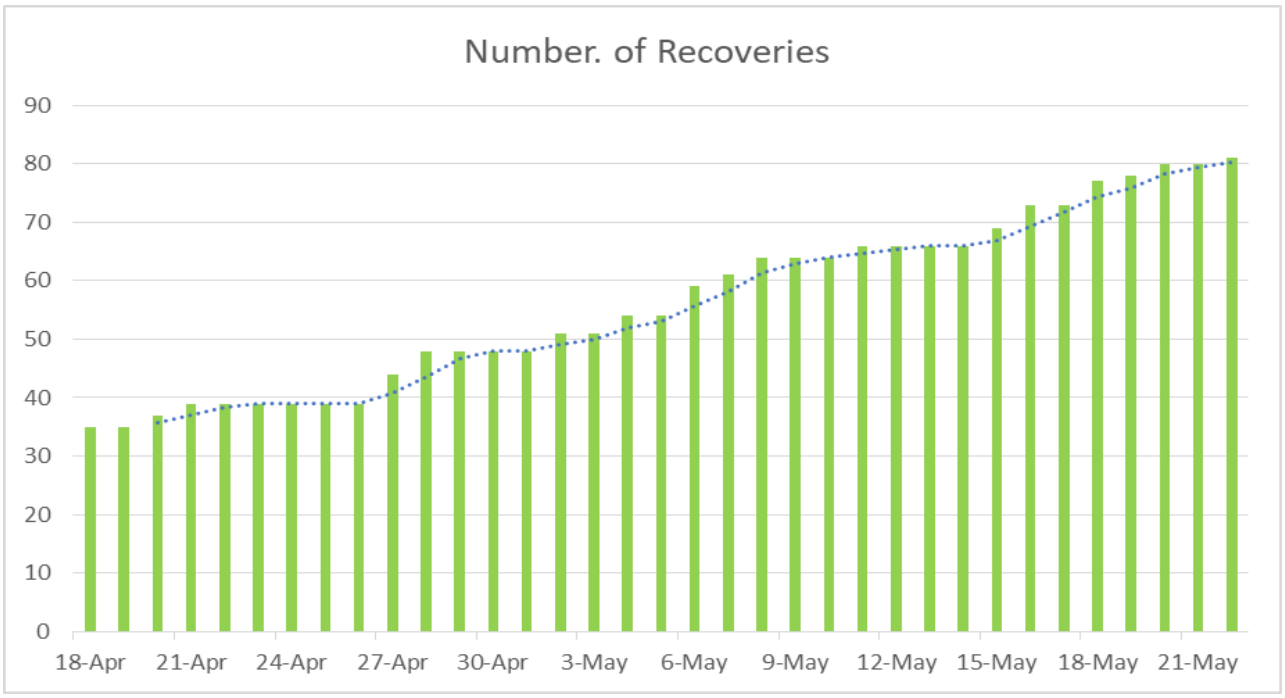


CHART 5O: NUMBER OF ACTIVE CASES - BERMUDA
18 APRIL - 22 MAY 2020

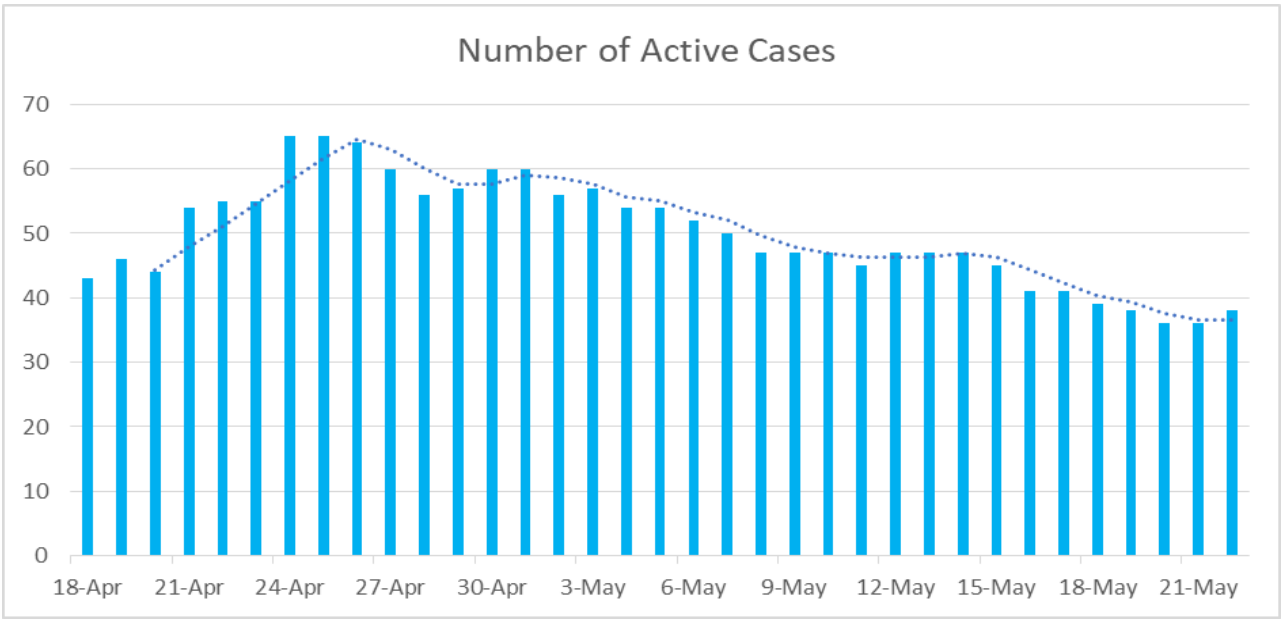


CHART 5P: NUMBER OF TESTS CONDUCTED - BERMUDA
18 APRIL - 22 MAY 2020

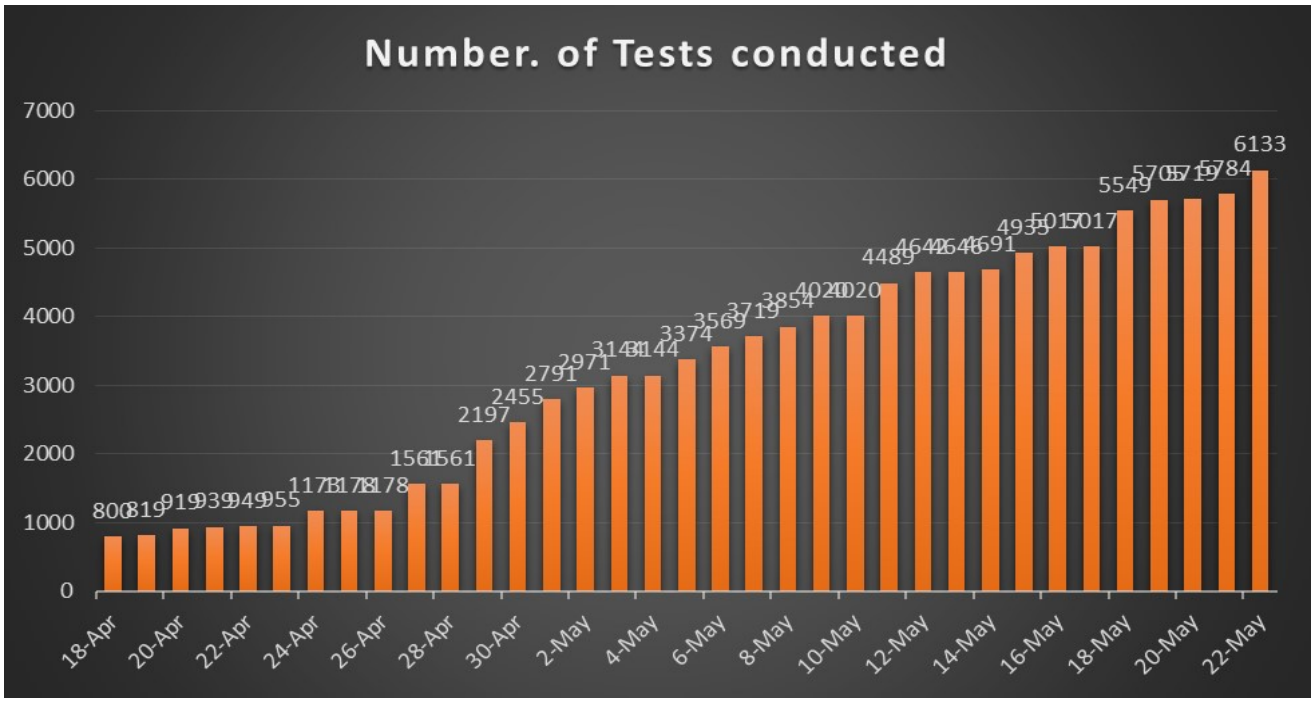


CHART 5Q: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - BERMUDA

18 APRIL - 22 MAY 2020

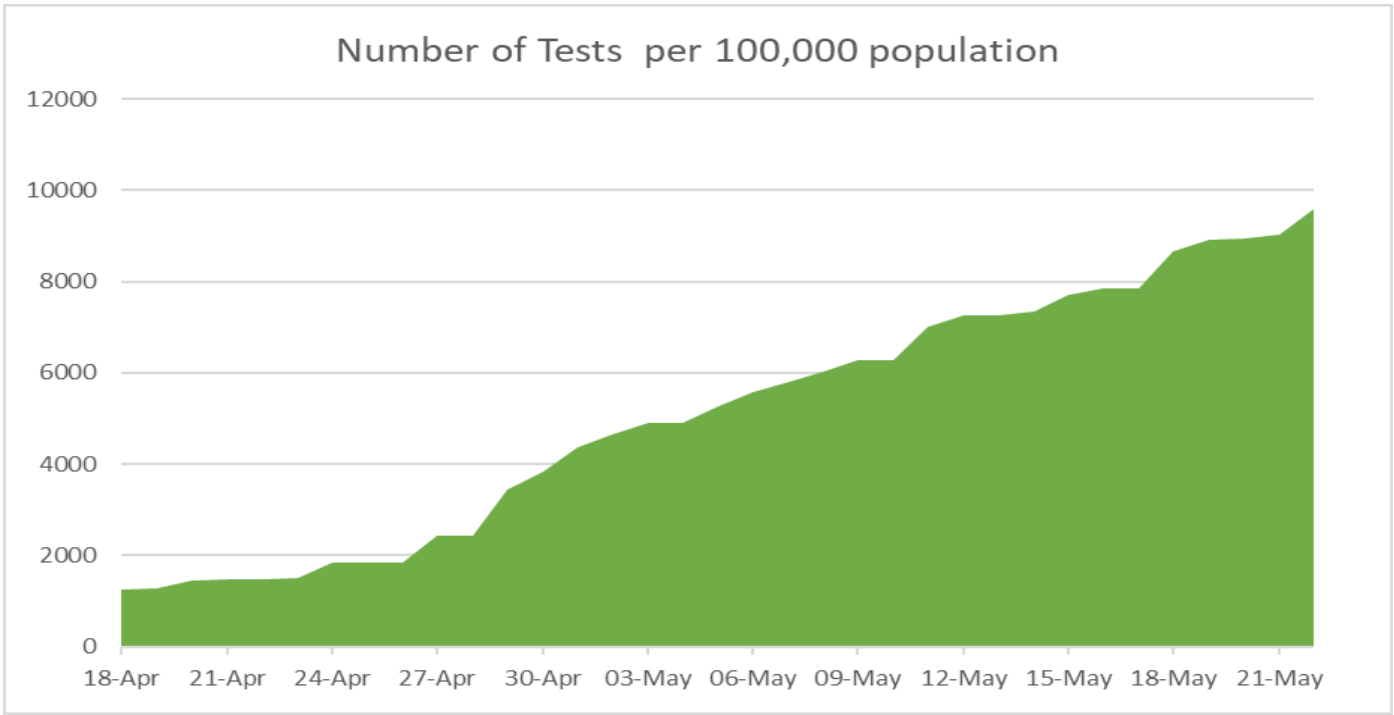


TABLE 6: APPROXIMATE MODE OF TRANSMISSION - SELECTED COUNTRIES AS AT 22 MAY 2020

Country	Imported Transmission 	Local Transmission 	Community Transmission 	Under Investigation 
Trinidad and Tobago	84	24	1	7
Guyana	4	123	0	0
Bermuda	39	77	10	2
Jamaica	57	444	26	17

There are differences in the classification of mode of transmission across countries. For example, Community Transmission, which according to international guidelines, reflects in part "Local Transmission with no epidemiological Link" is largely not used. In the case of Jamaica, approximately 251 of the cases listed under Local Transmission are listed as Under Investigation. Approximately 234 cases in this category are linked to the workplace cluster and are placed under local transmission rather than Under Investigation. **Please see Issue 2 for explanations on Mode of Transmission.**

TABLE 7: CONFIRMED CASES BY SEX - SELECTED COUNTRIES AS AT 22 MAY 2020

Country			Not Stated
Jamaica	220	324	
Barbados	43	47	
Trinidad and Tobago	46	63	7
Bermuda	54	74	
Haiti	443	291	
Belize	9	9	
Cayman Islands (based on estimate of 17 May)	62	67	

CHART 6: ANTIGUA AND BARBUDA

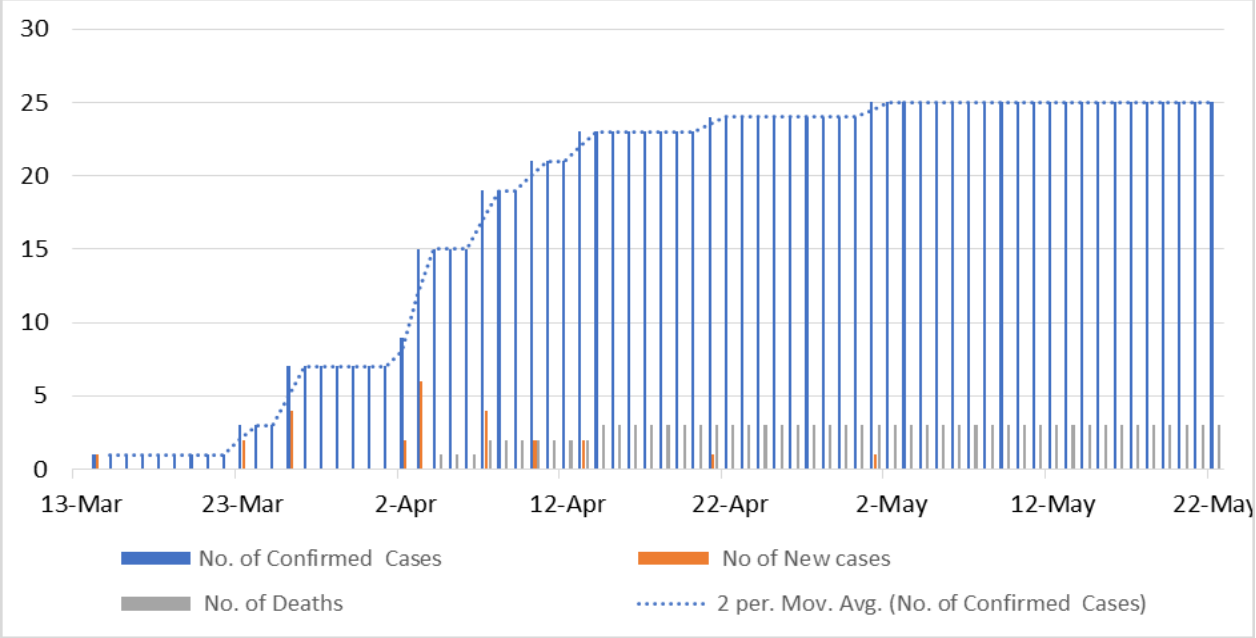
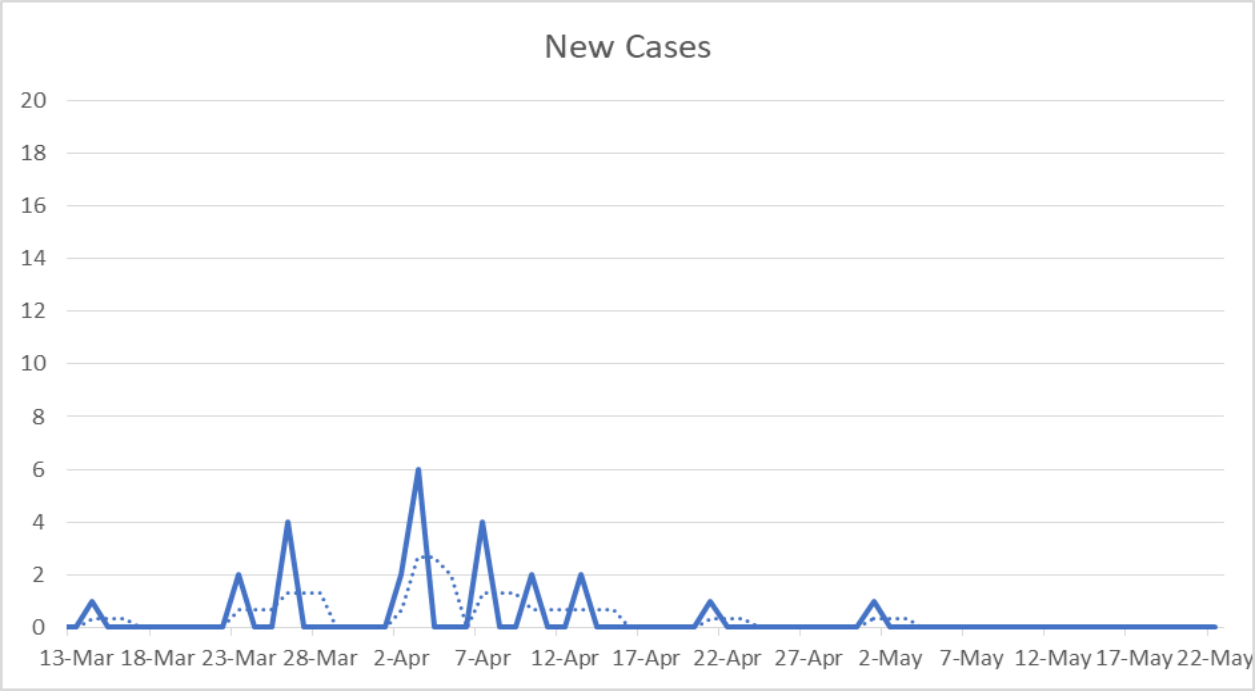


CHART 6A: ANTIGUA AND BARBUDA



There were no new cases of COVID-19 in Antigua and Barbuda since 1 May, a period of 21 days.

CHART 7: THE BAHAMAS

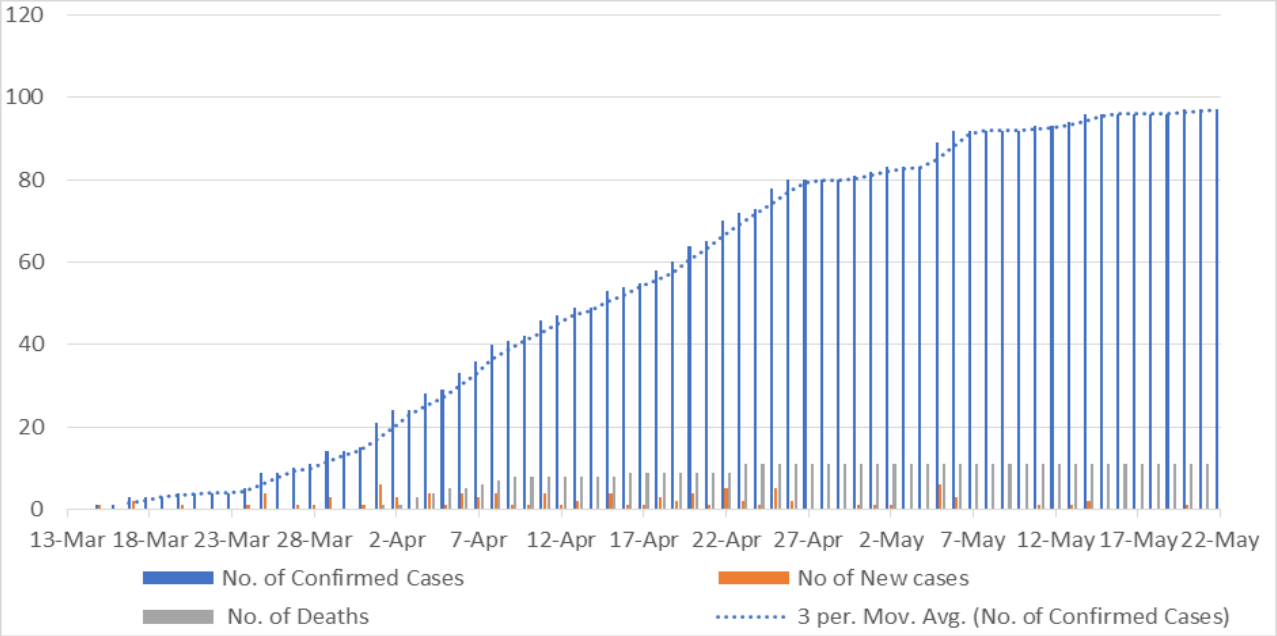
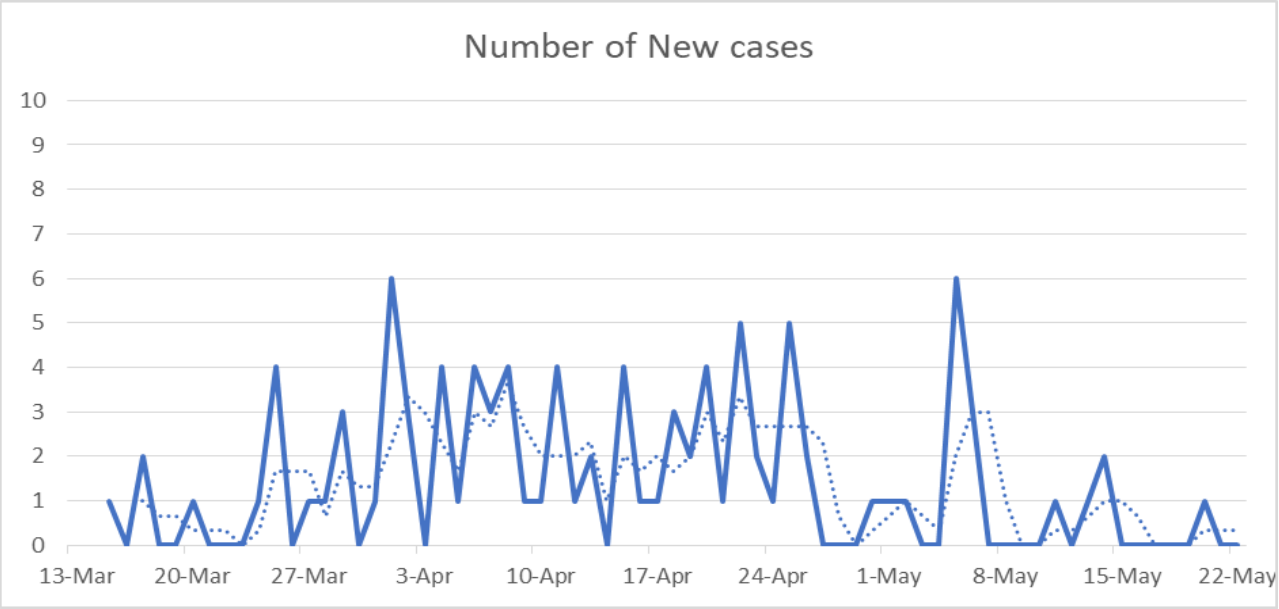


CHART 7A: THE BAHAMAS



There was only **one** new case during the week of **16-22 May** compared to **15 new** cases in The Bahamas from **1-15 May**

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CHART 8: BARBADOS

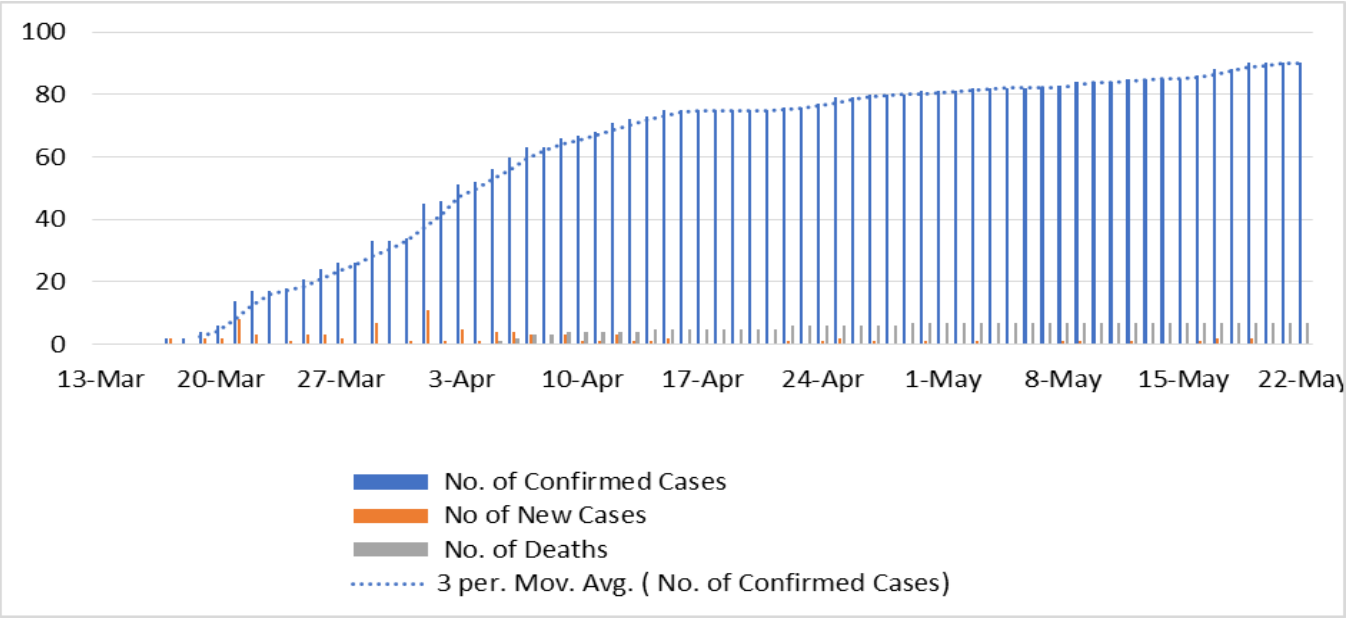
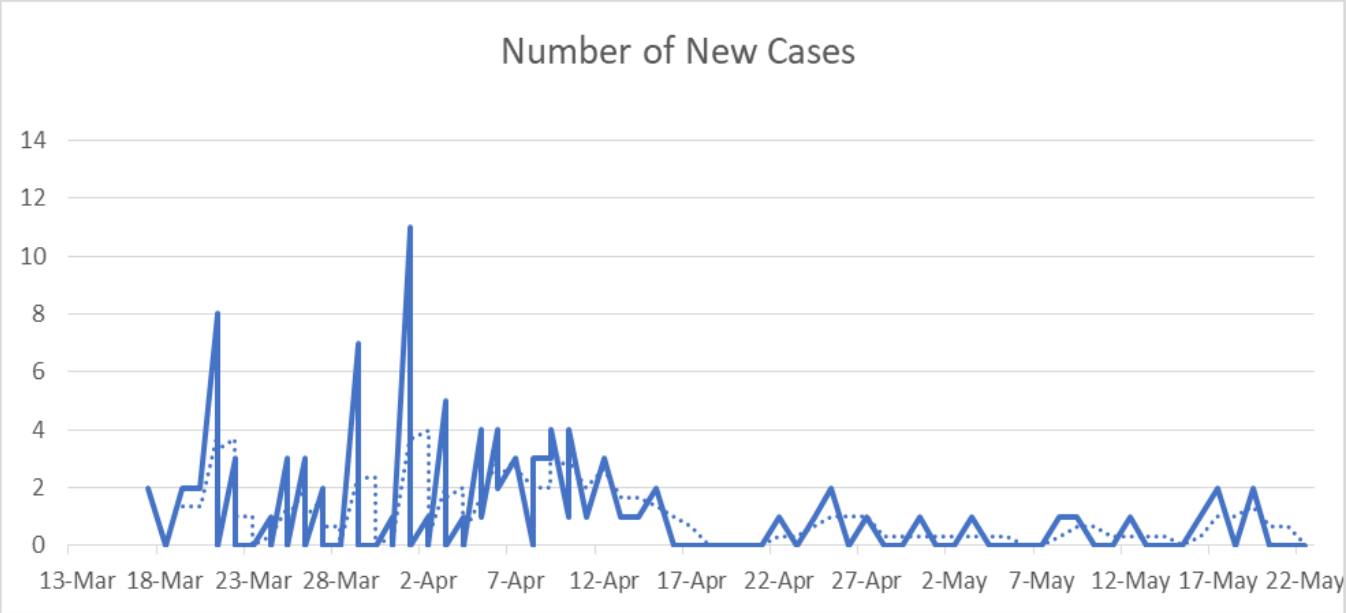


CHART 8A: BARBADOS



There were **5 new cases** for Barbados during the week **16-22 May** as compared to **2 new cases from 9 -15 May**.

CHART 9: BELIZE

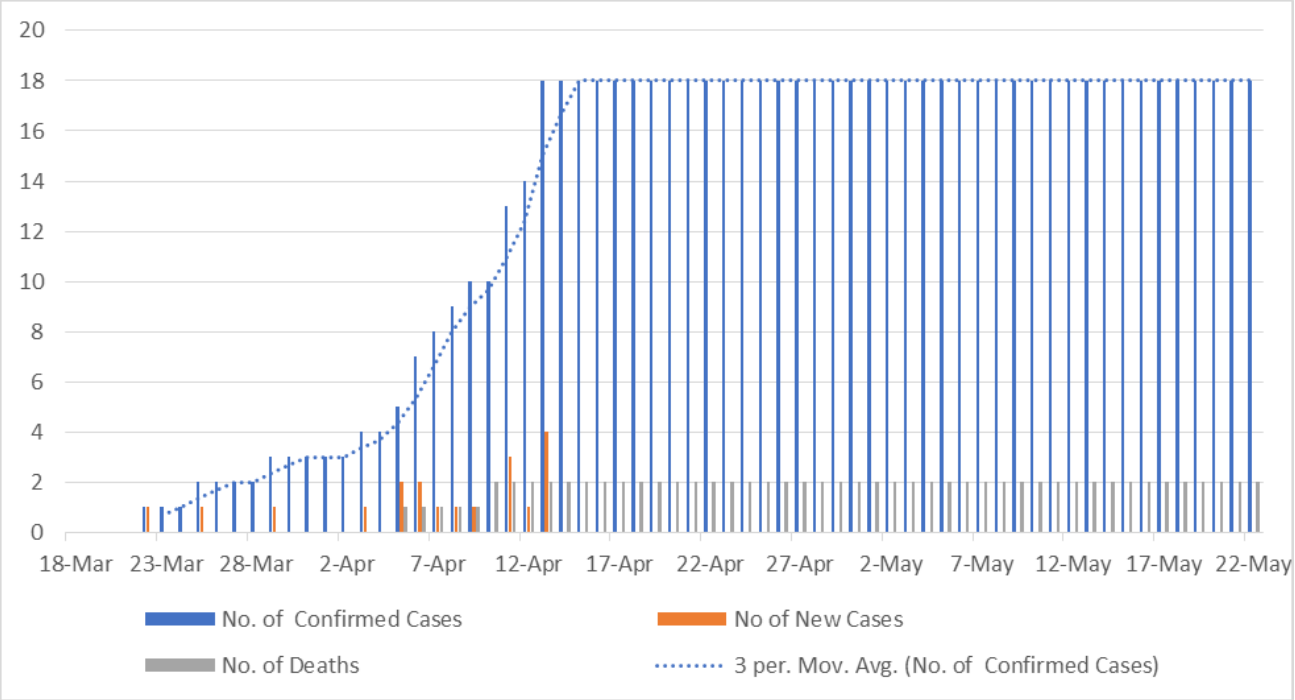
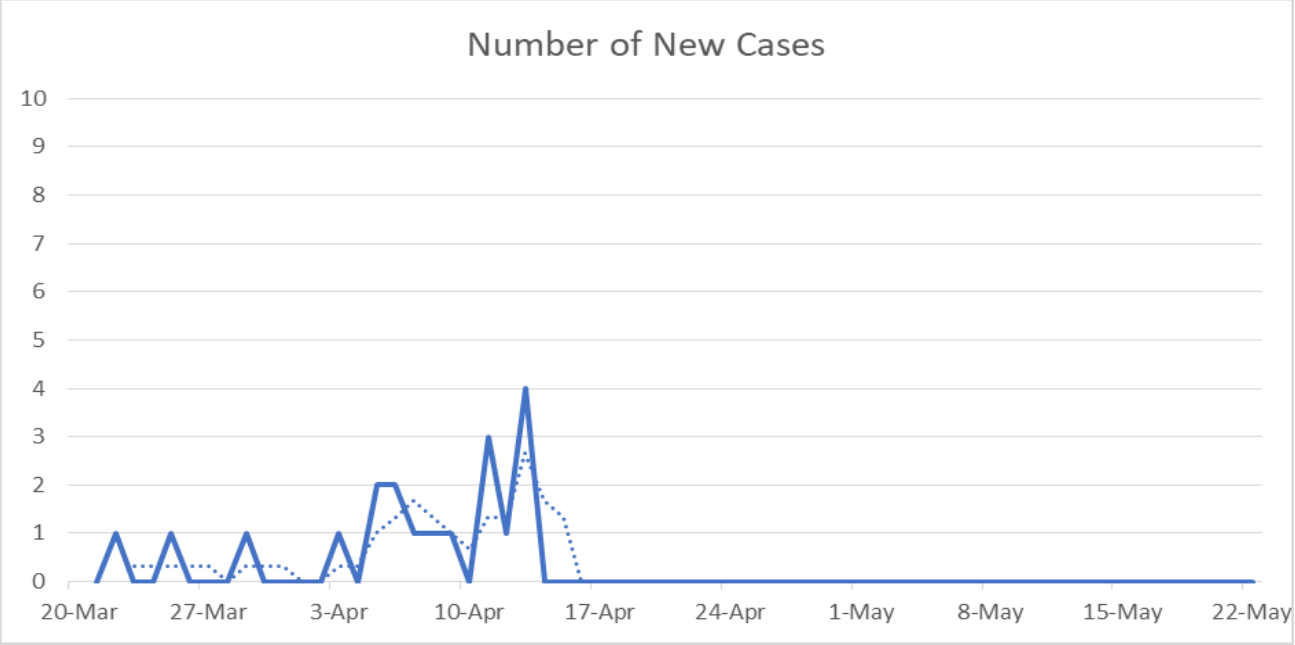


CHART 9A: BELIZE



There were **no new cases** of COVID-19 in Belize since **13 April, a period of 39 days up to 22 May.**

CHART 10: DOMINICA

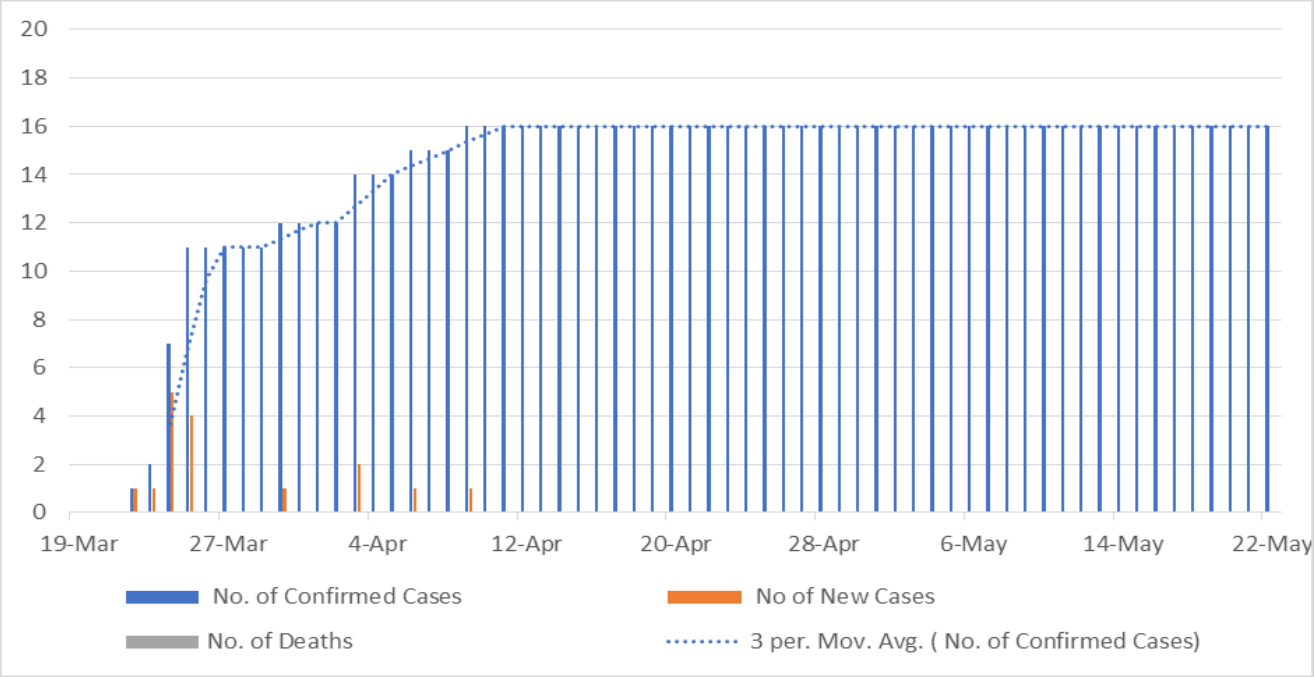
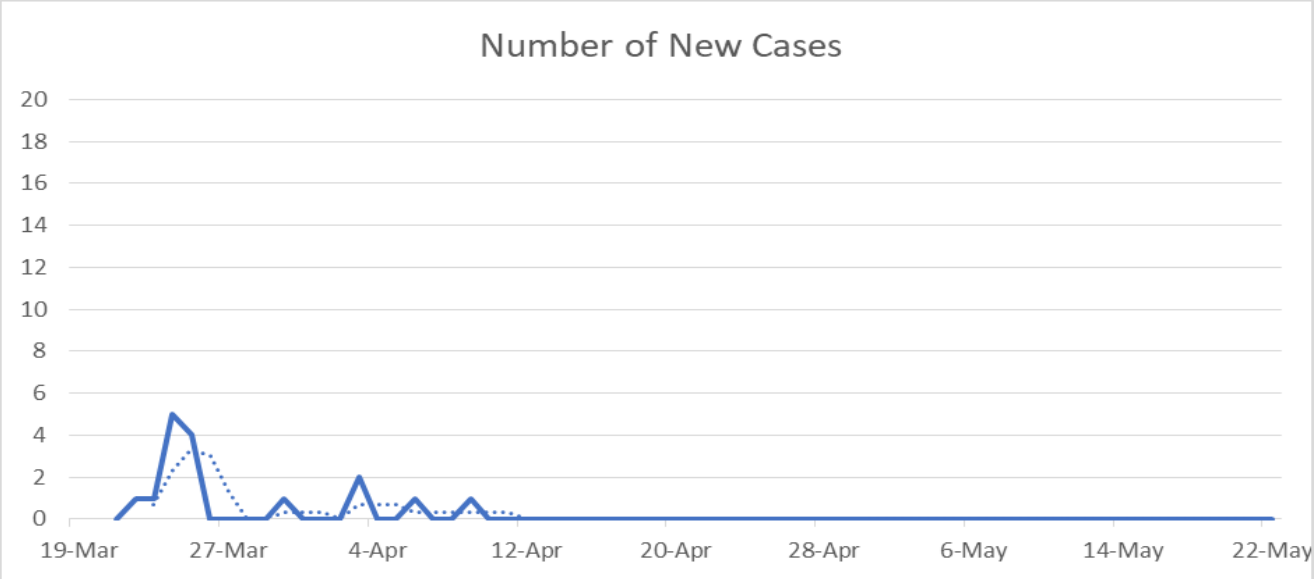


CHART 10A: DOMINICA



There were **no new cases in Dominica since 10 April, a period of 42 days up to 22 May**.

CHART 11: GRENADA

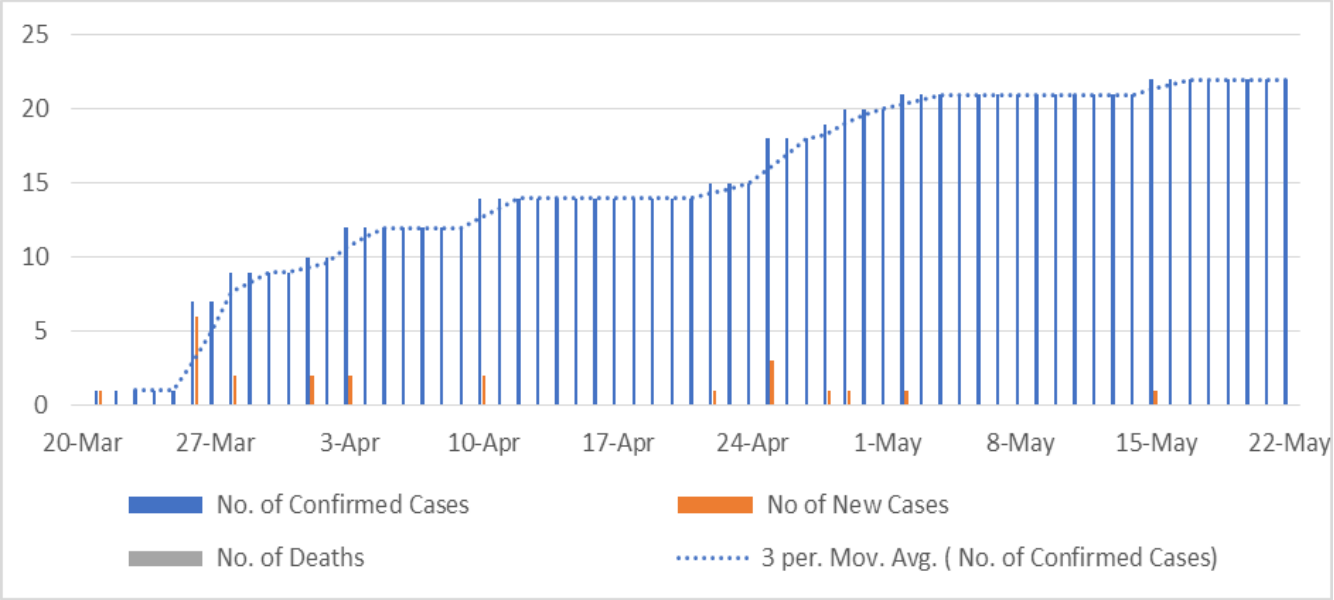
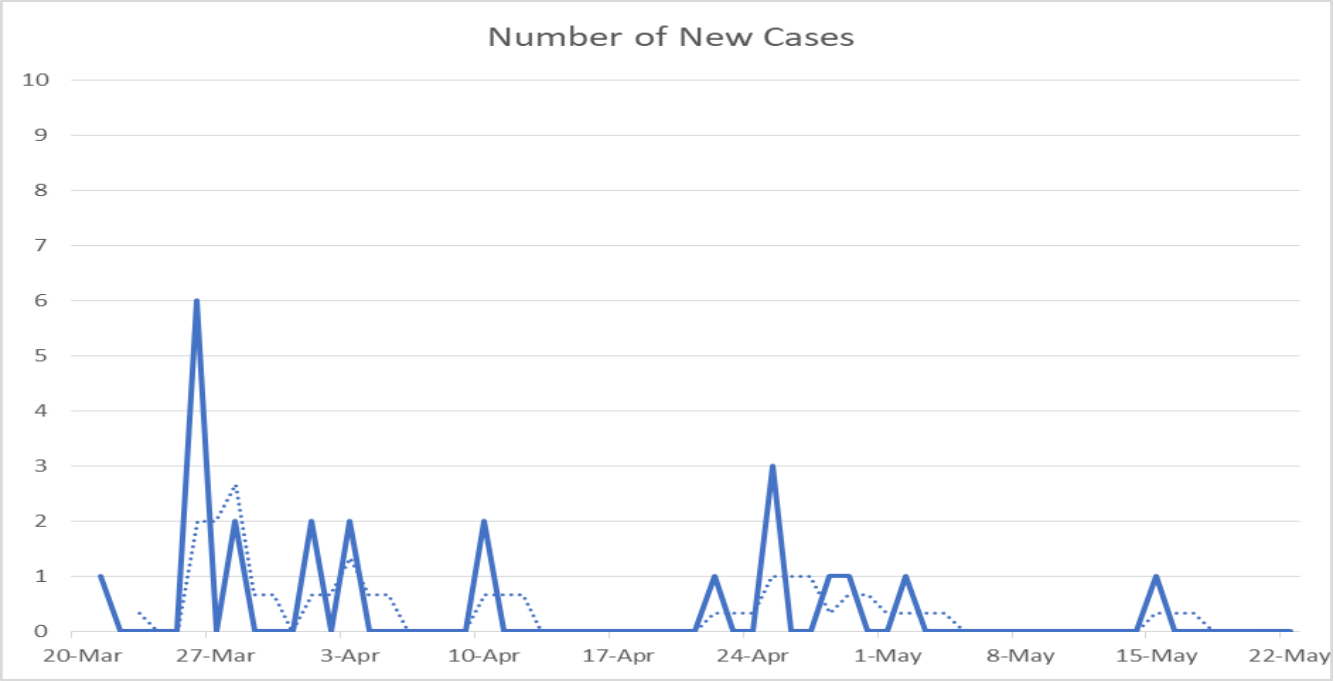


CHART 11A: GRENADA



There were **2 new cases** in Grenada from **1-22 May.**

CHART 12: GUYANA

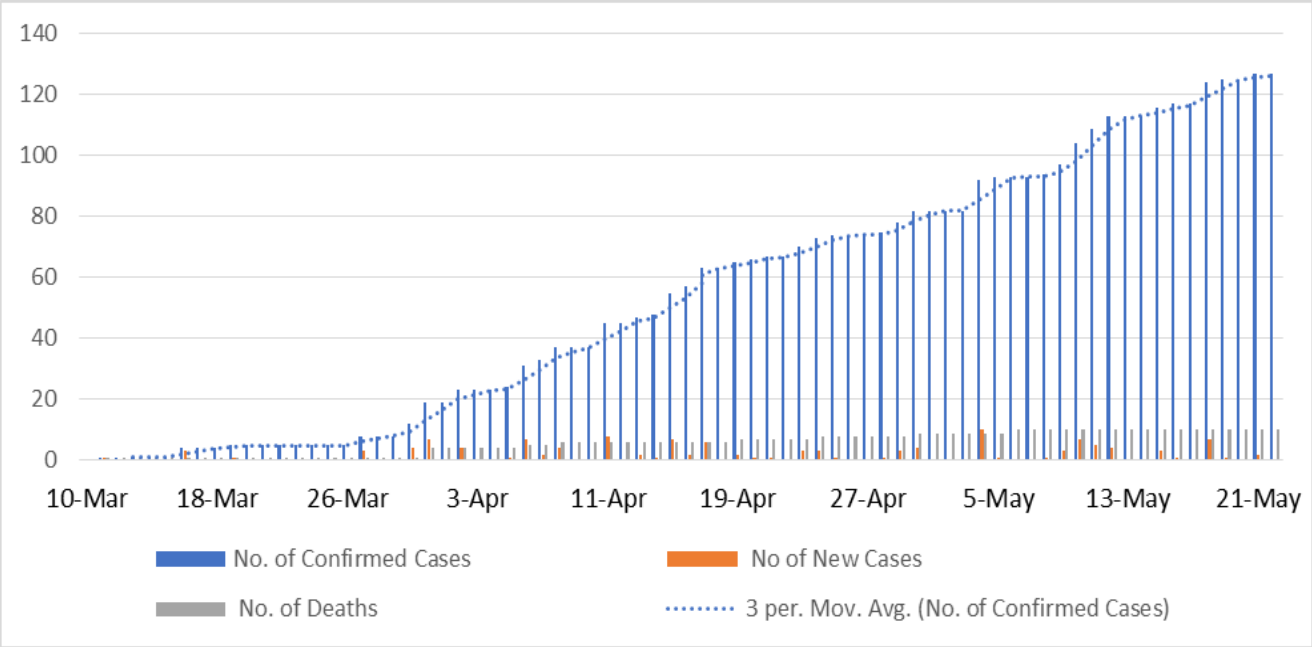
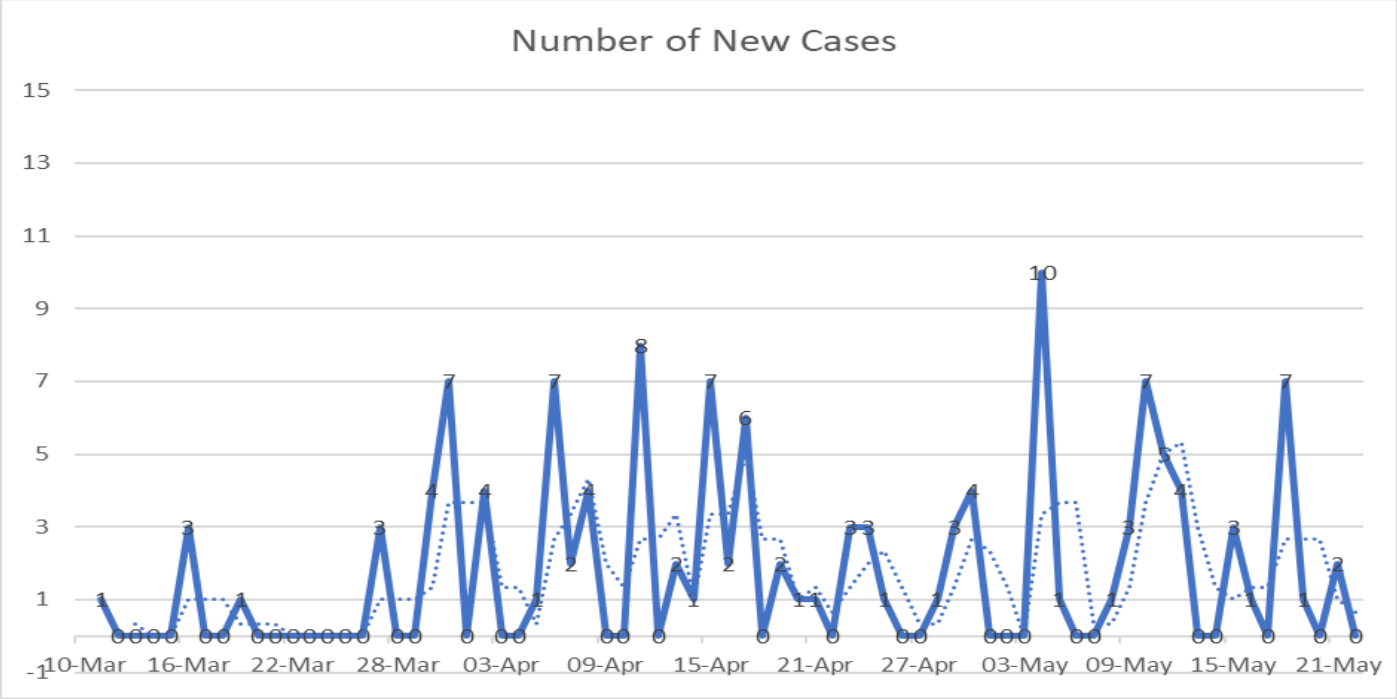


CHART 12A: GUYANA



During the week **16-22 May there were 11 new cases** in Guyana. From **1-15 May** there were **34 new cases**, with **22 cases during 9-15 May.**

CHART 13: HAITI

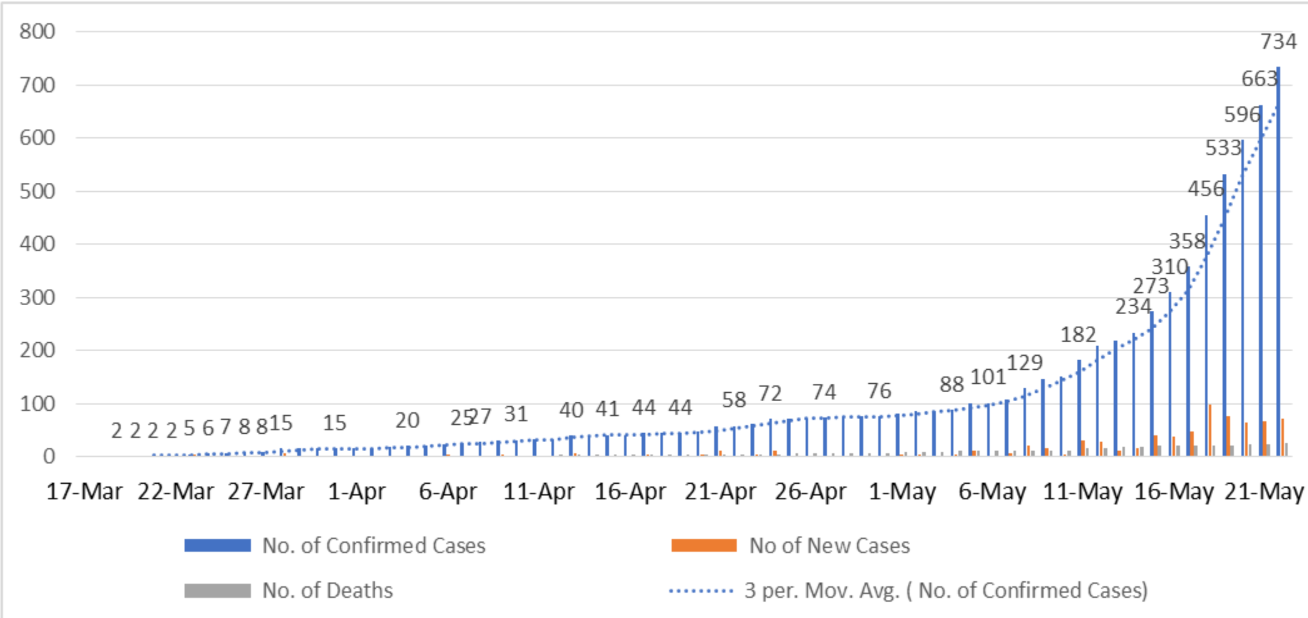
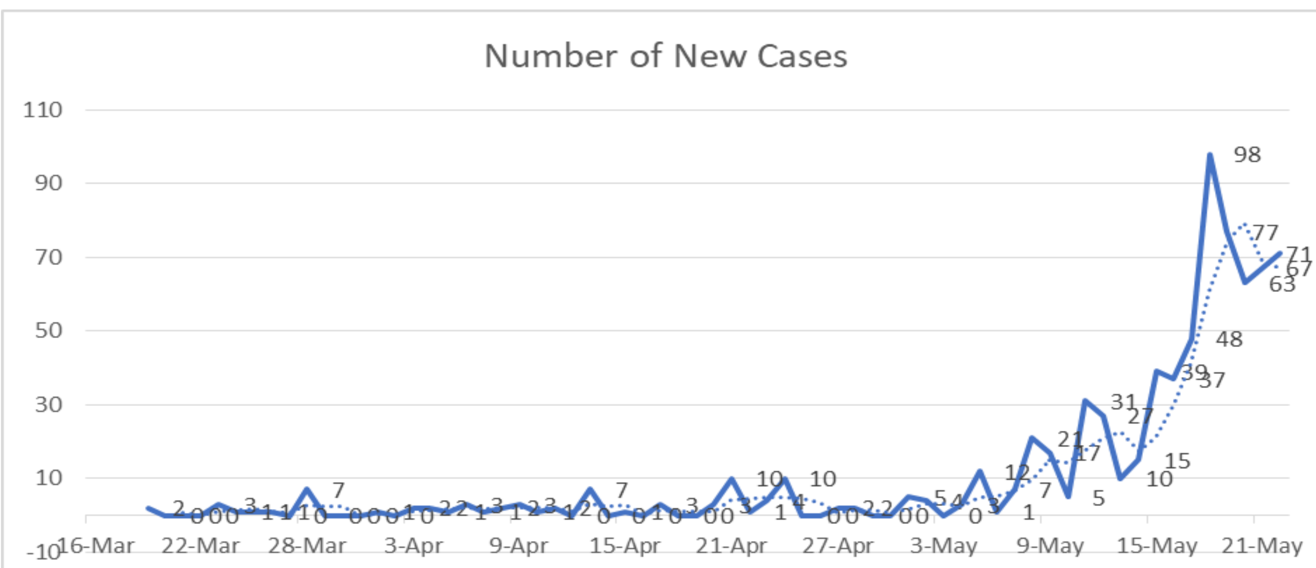


CHART 13A: HAITI



There were **461 new** cases of COVID-19 in Haiti from 16 -22 May compared to **144** new cases (**67 percent** of the total for that week) from the preceding week 9-15 May. The **461 cases represented 83.4 percent** of the total new cases for CARICOM during the week under review. The uptick in new cases is clearly reflected in the Chart.

CHART 14: JAMAICA

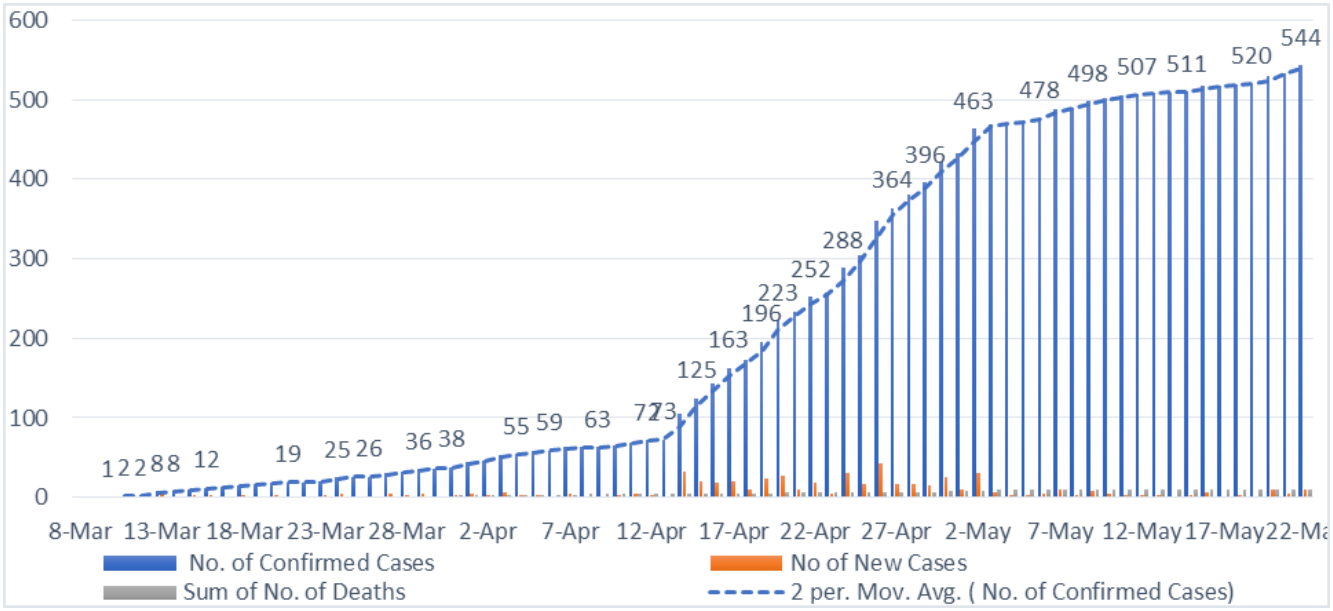
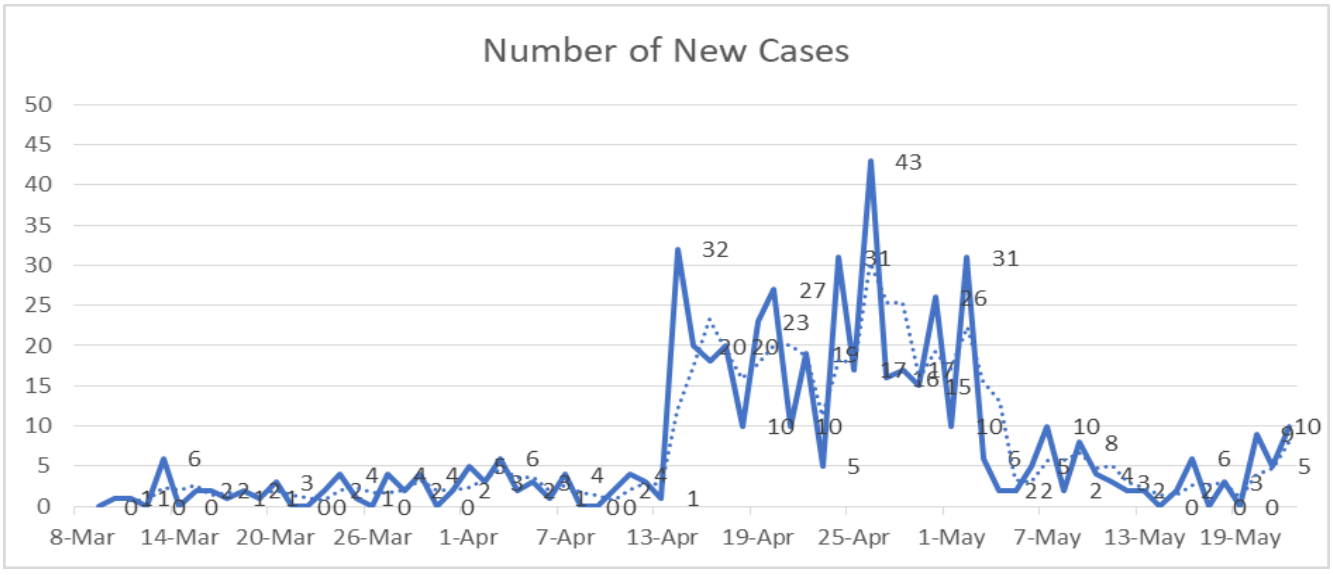


CHART 14A: JAMAICA



There were **33 new cases** of COVID-19 in Jamaica from **16-22 May** as compared to **21 cases** for the period **9-15 May,** an increase of approximately **57 percent.**

CHART 15: MONTSERRAT

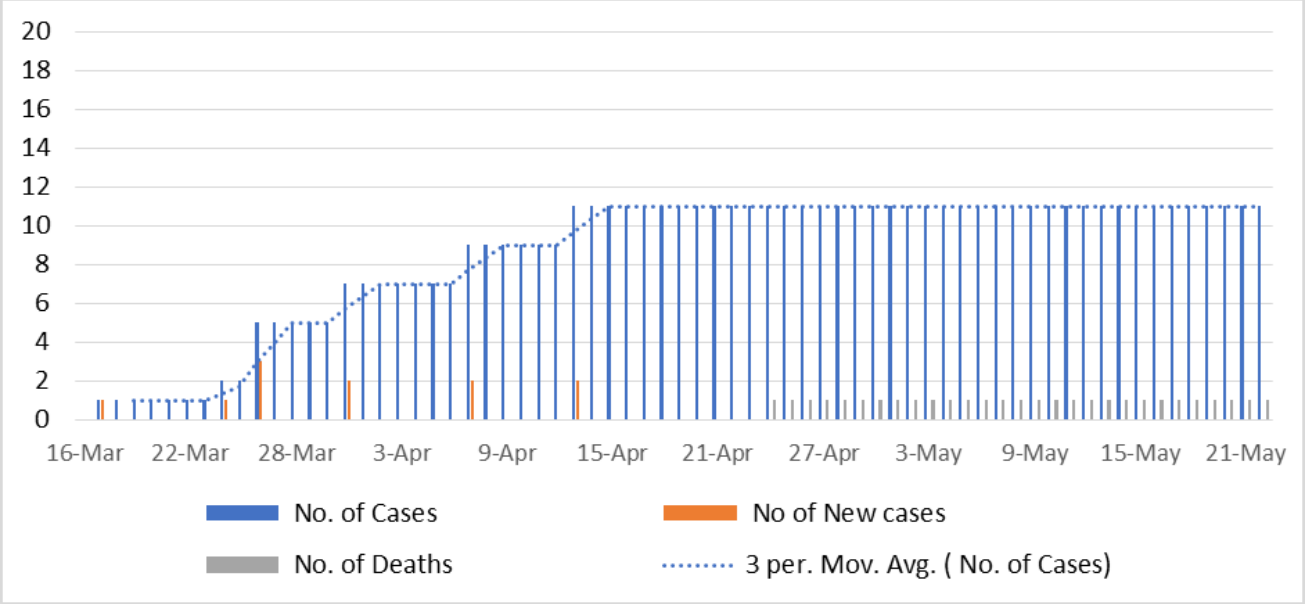
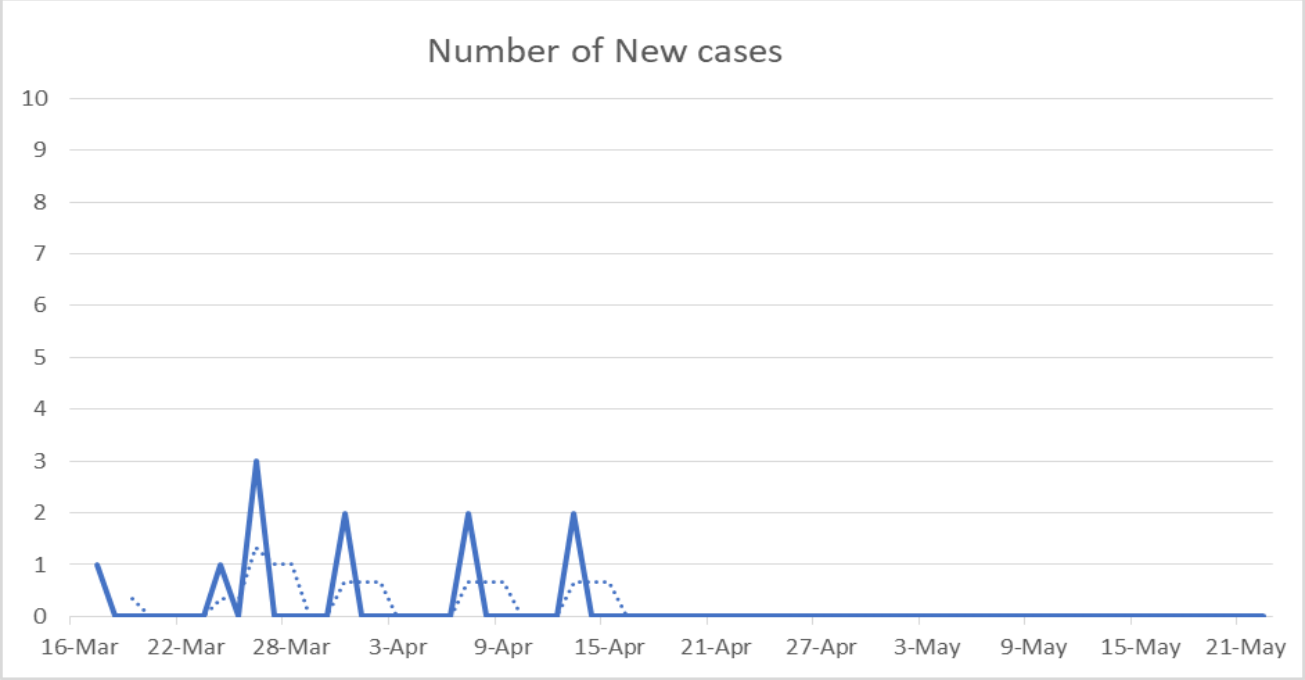


CHART 15A: MONTSERRAT



There were no new cases in Montserrat since **13 April, a period of 39 days up to 22 May**.

CHART 16: SAINT LUCIA

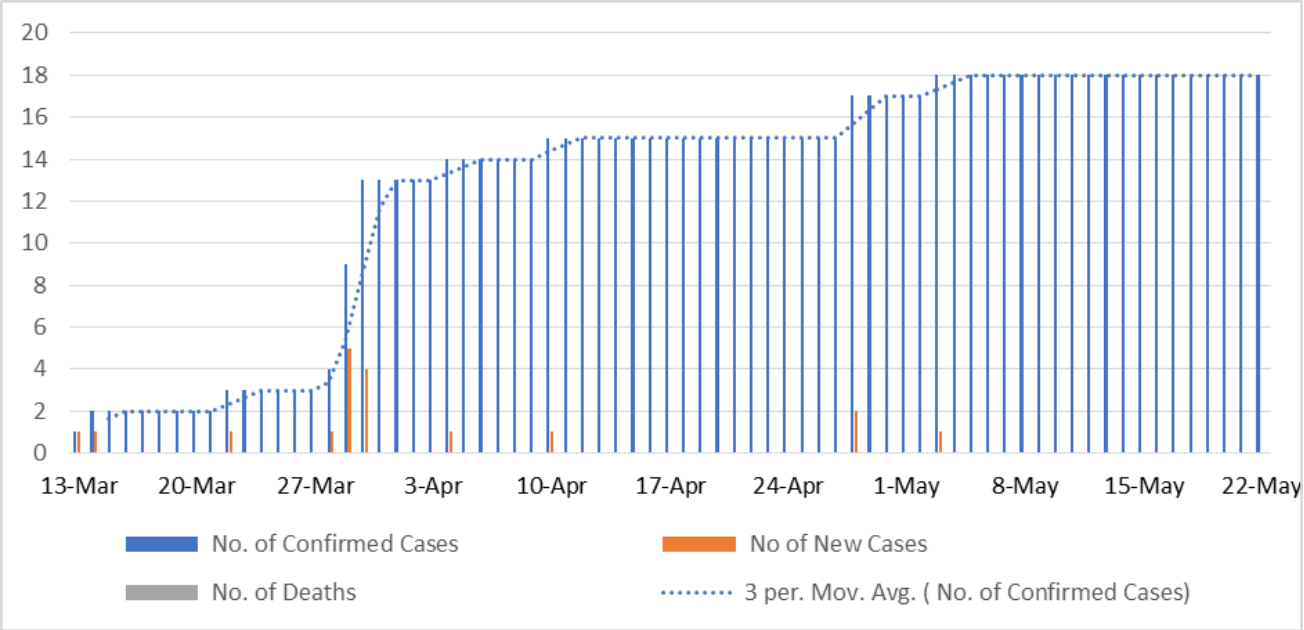
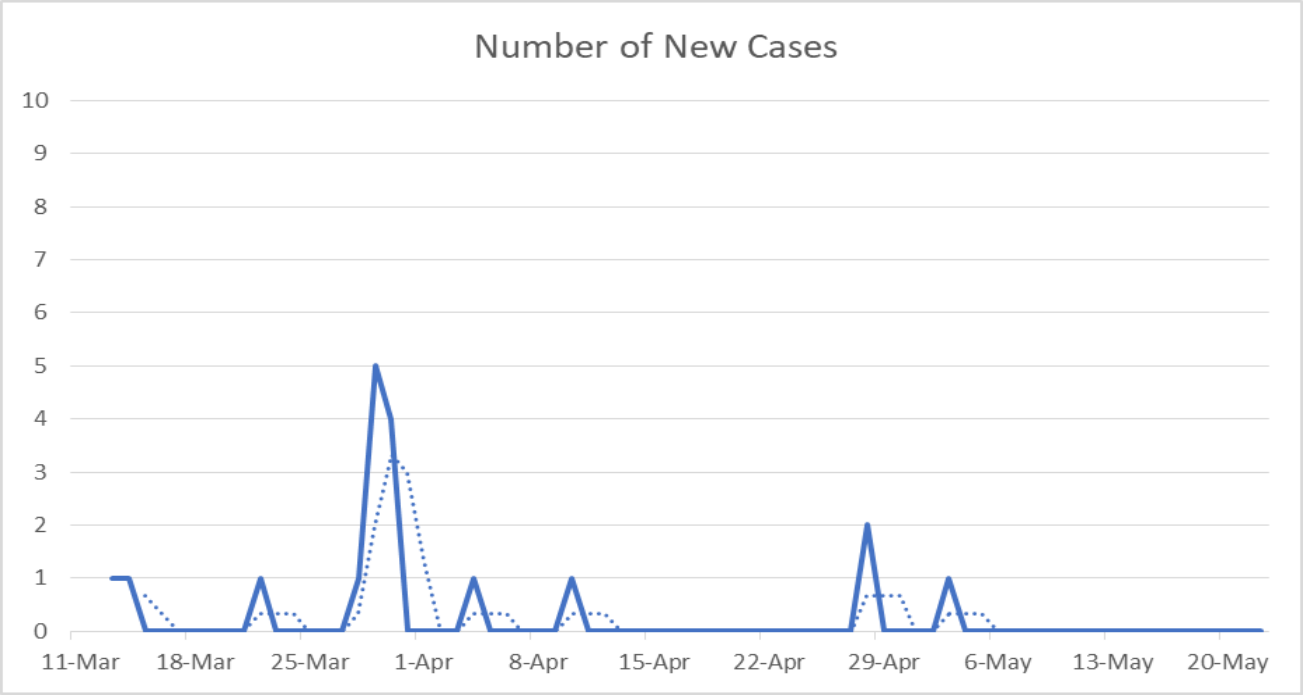


CHART 16A: SAINT LUCIA



The last case that was confirmed in Saint Lucia was on 3 May, a period of 19 days up to 22 May.

CHART 17: ST. KITTS AND NEVIS

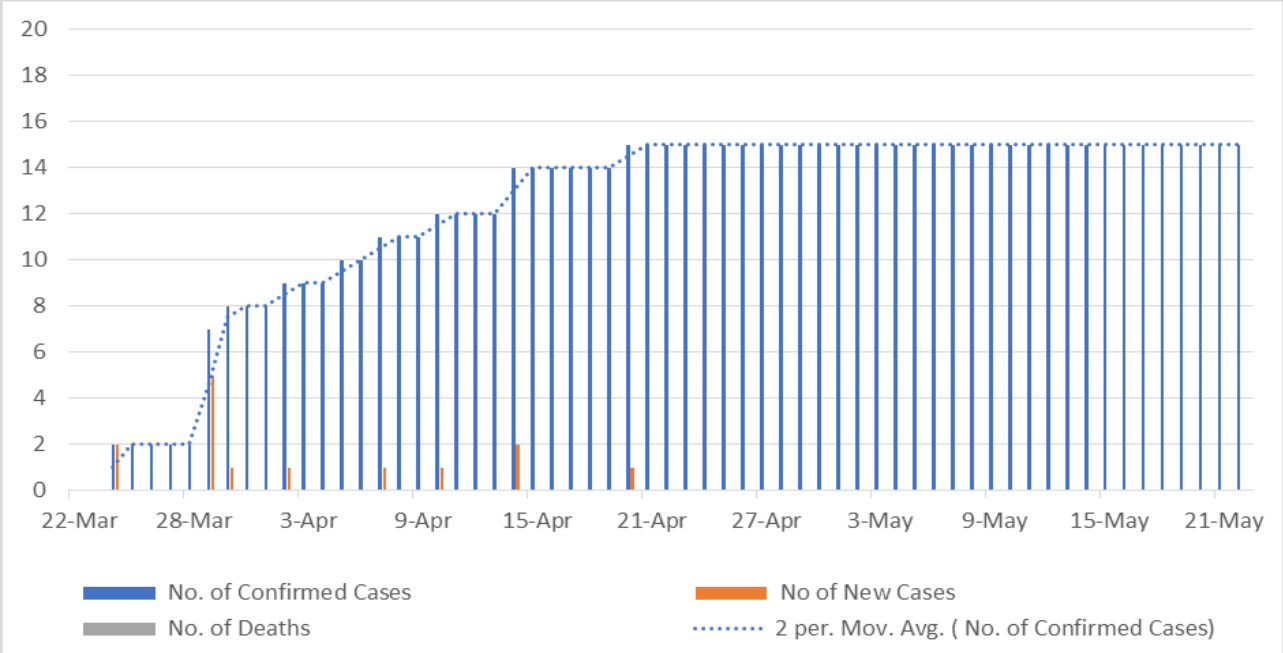
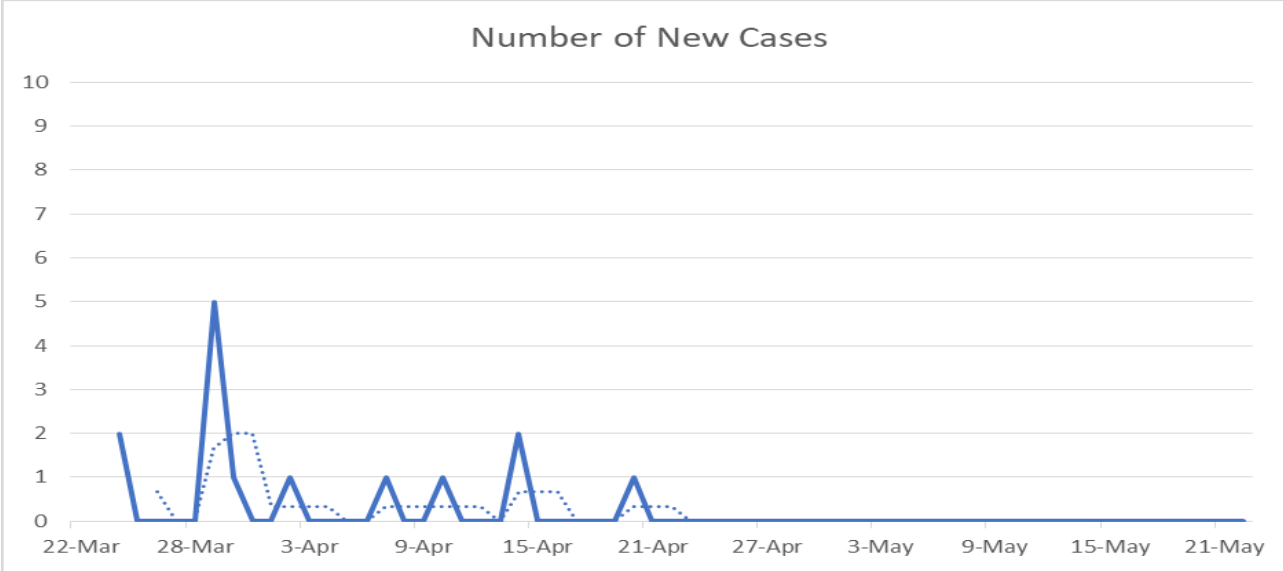


CHART 17A: ST. KITTS AND NEVIS



The last confirmed case of COVID-19 in St Kitts and Nevis was on **20 April a period of 32 days up to 22 May**.

CHART 18: ST. VINCENT AND THE GRENADINES

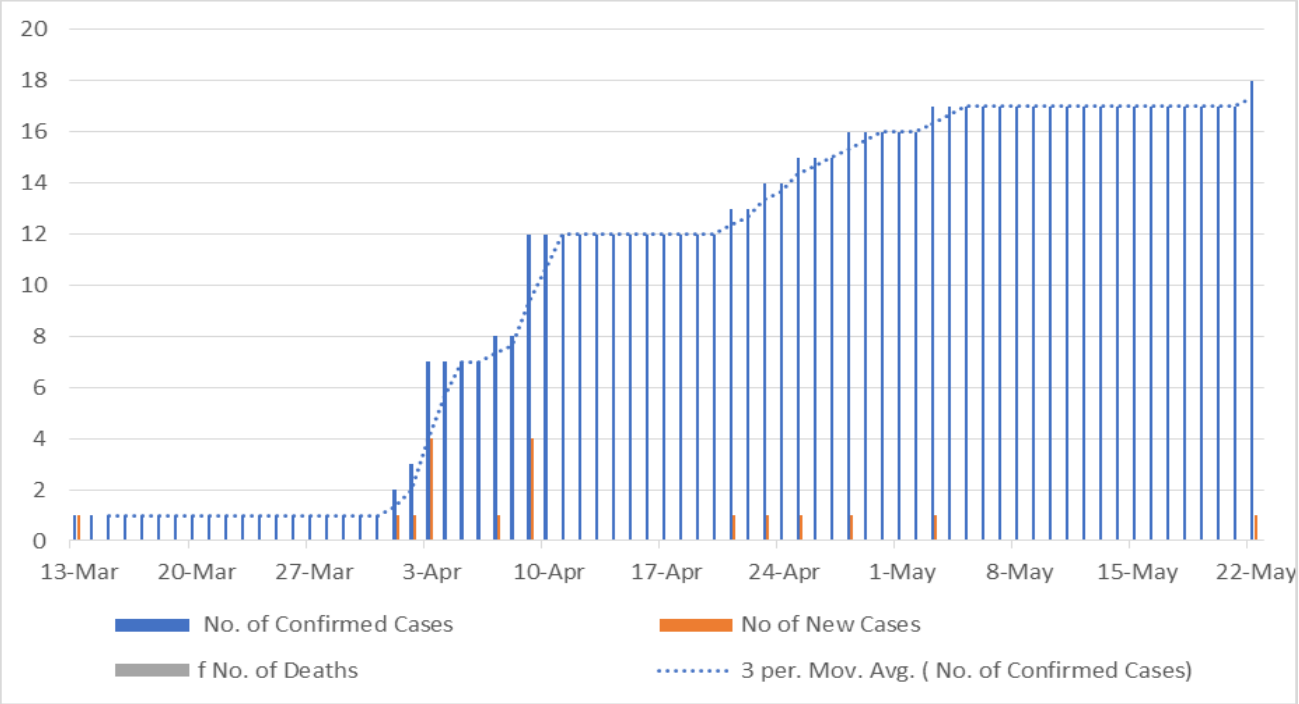
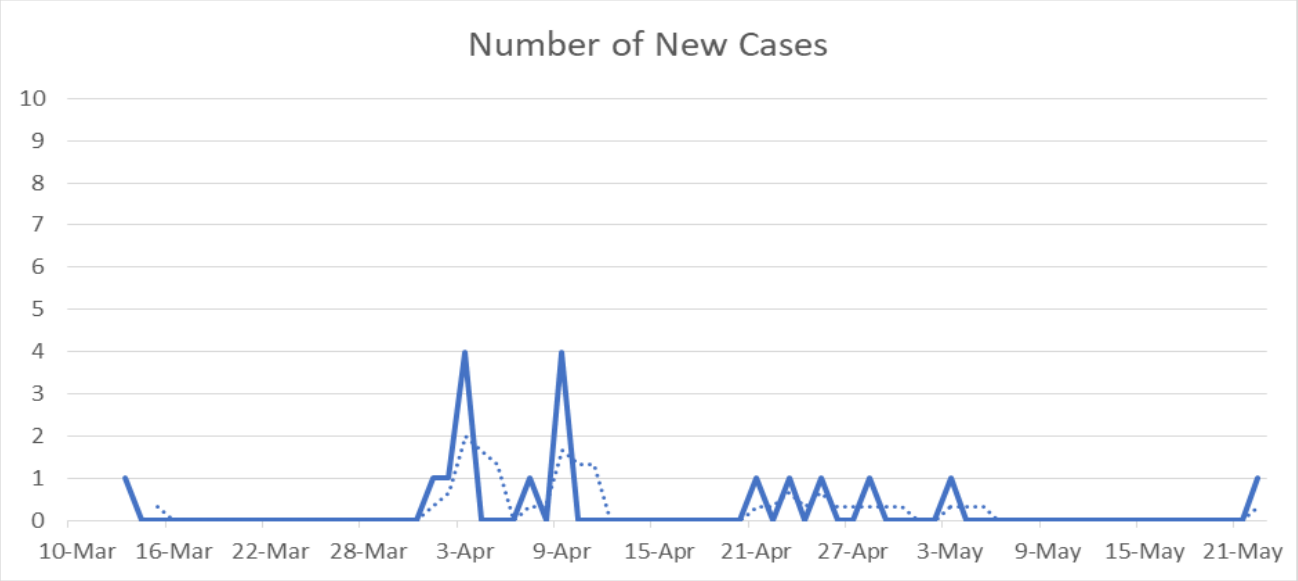


CHART 18A: ST. VINCENT AND THE GRENADINES



There was 1 new COVID-19 case in St Vincent and the Grenadines on **22 May**. The last confirmed case before this one was on **3 May**.

CHART 19: SURINAME

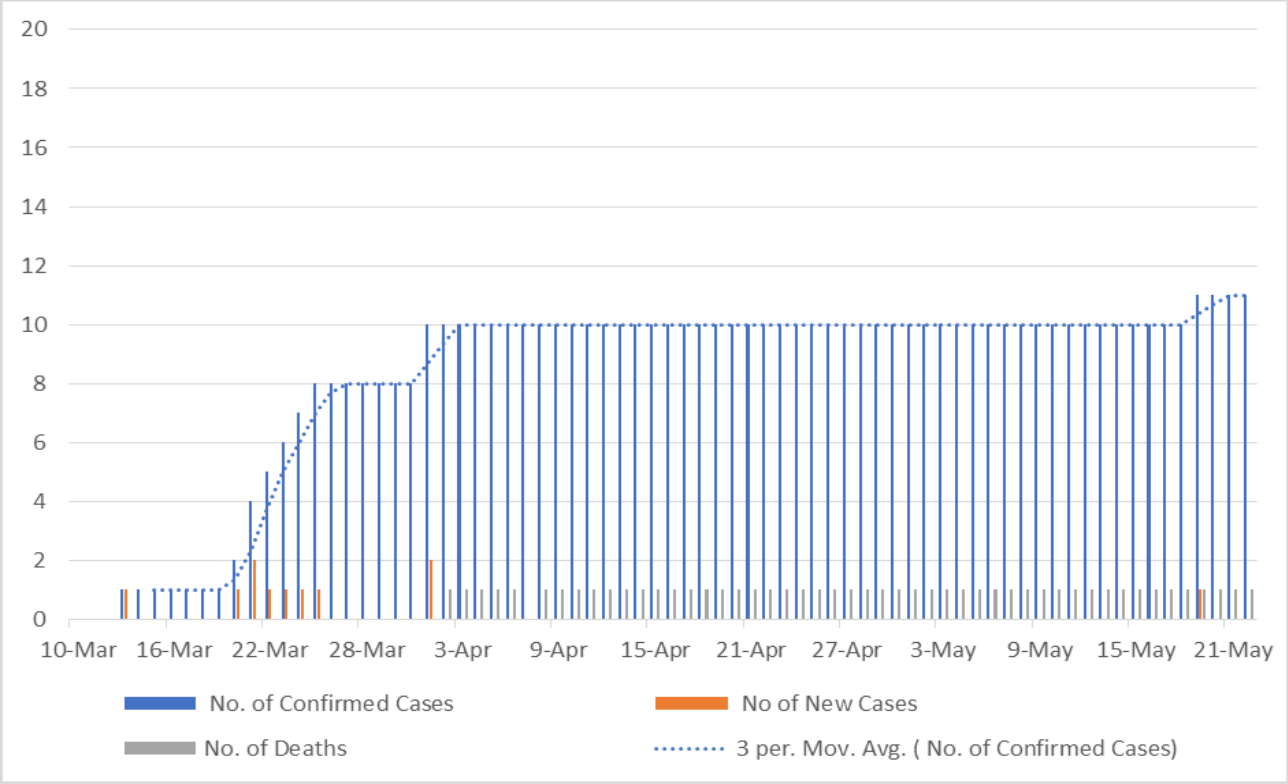
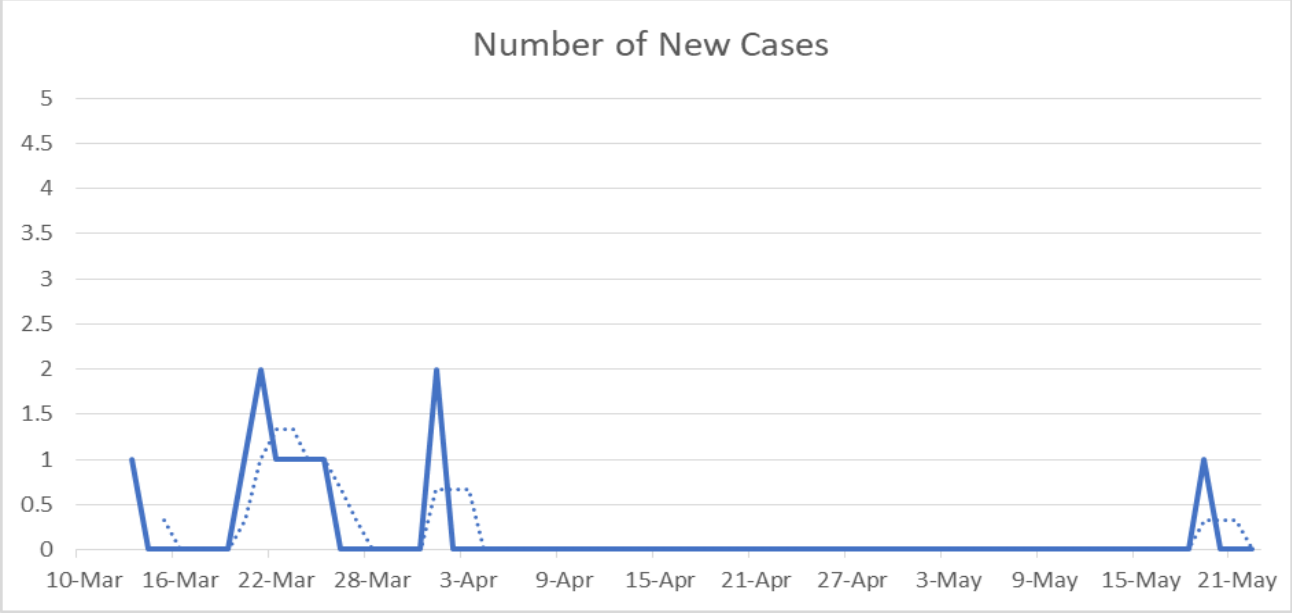


CHART 19A: SURINAME



After a period of **44 days without a confirmed case** Suriname experienced a new case on **19 May**.

CHART 20: TRINIDAD AND TOBAGO –TOTAL CONFIRMED CASES

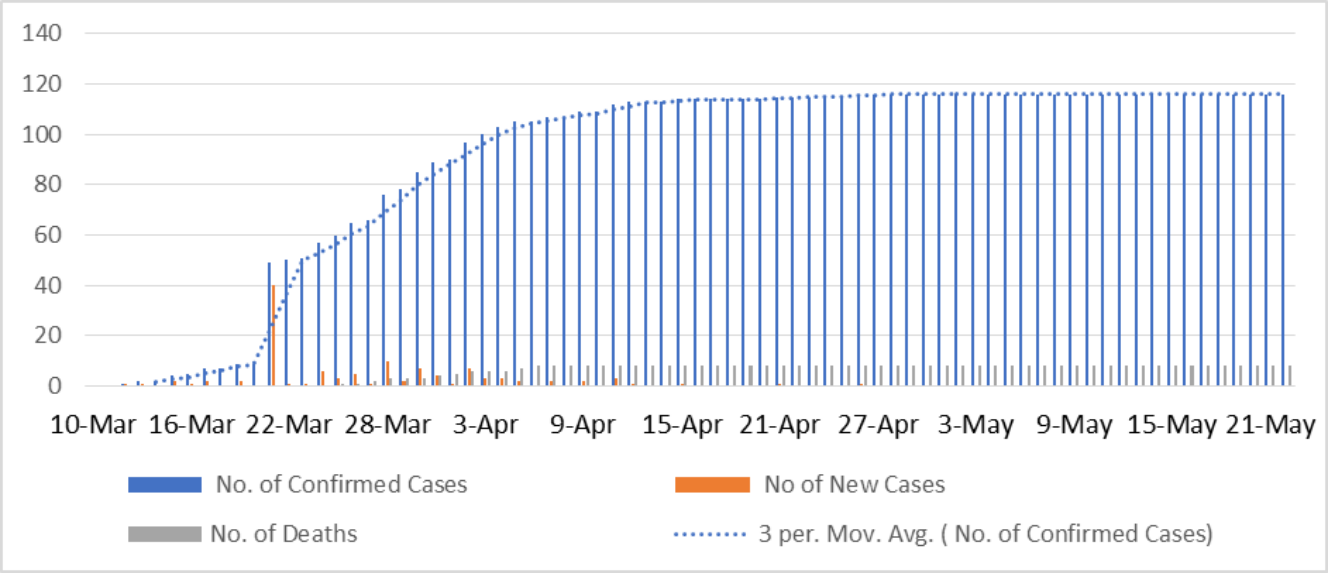
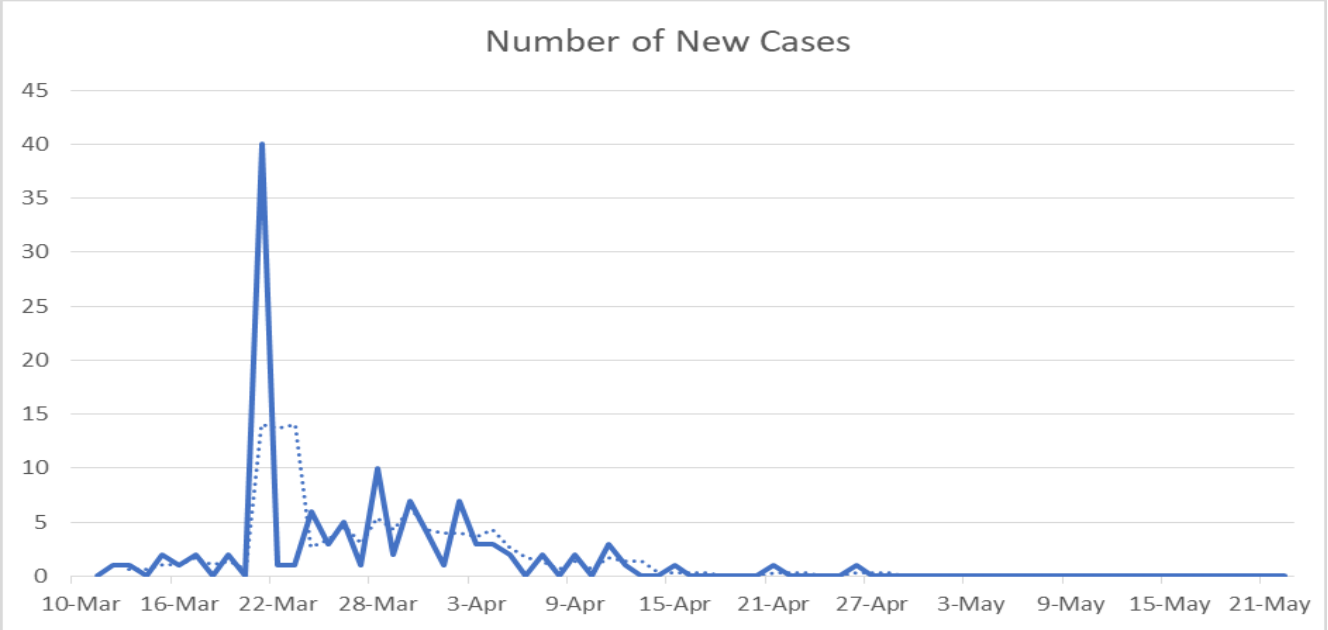


CHART 20A: TRINIDAD AND TOBAGO



The last confirmed case in Trinidad and Tobago was on **26 April, 26 days as at 22 May.**

CHART 20B: TRINIDAD AND TOBAGO - CRUISE PASSENGERS

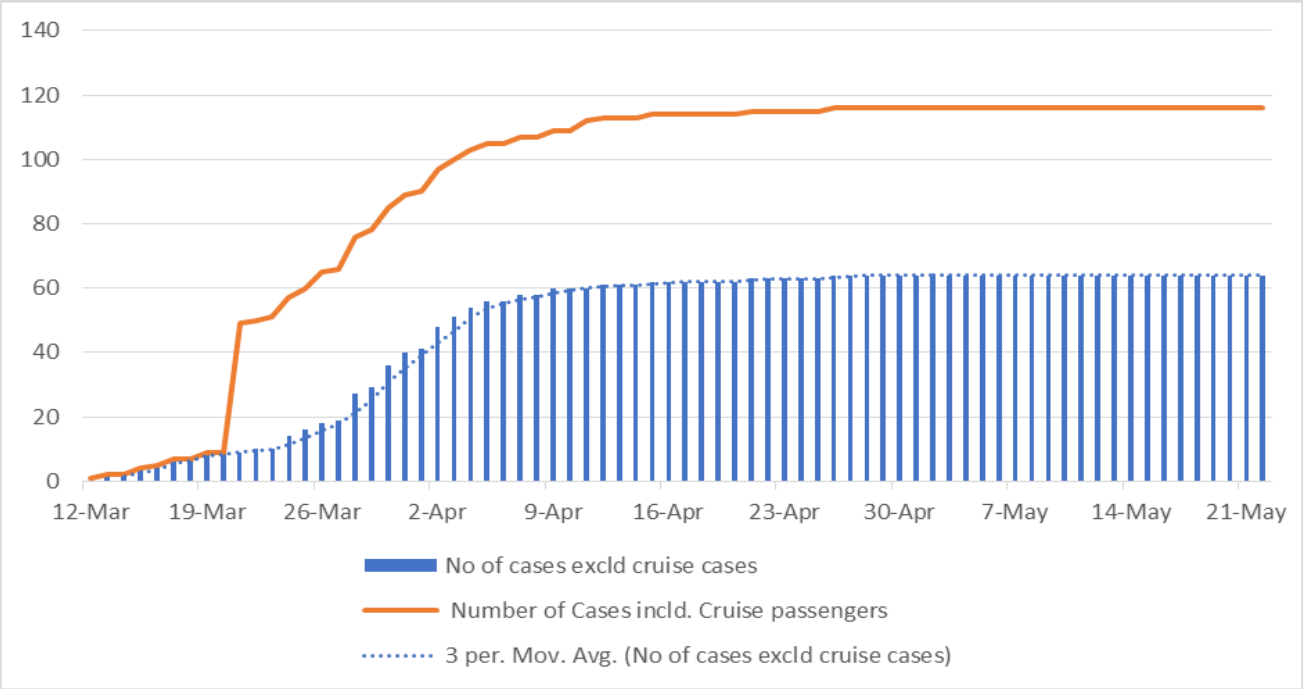


CHART 21: ANGUILLA

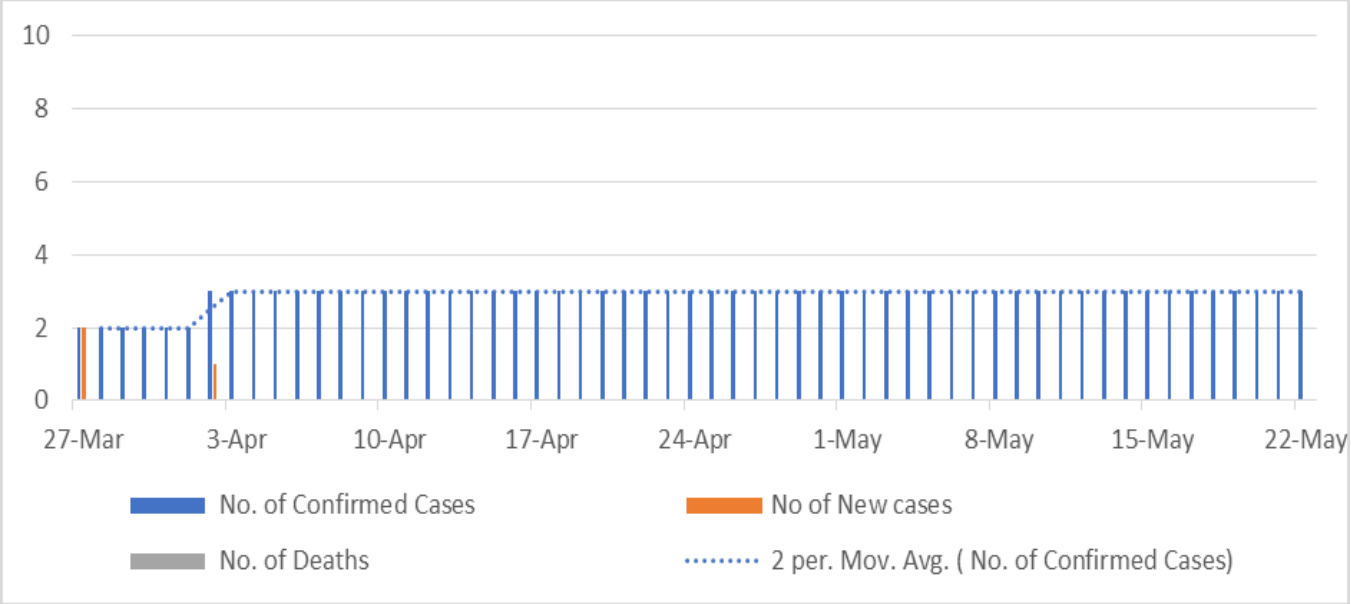
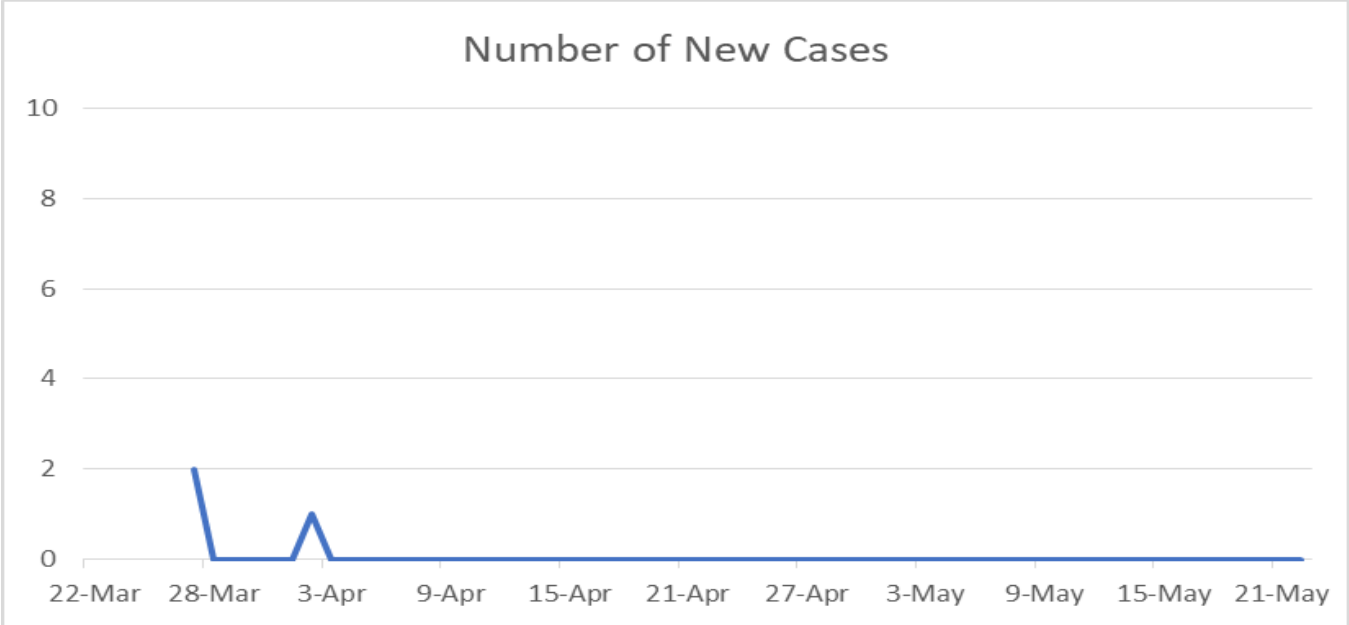


CHART 21A: ANGUILLA



The last positive case of COVID-19 in Anguilla was **2 April, a period of 50 days up to 22 May**.

CHART 22: BERMUDA

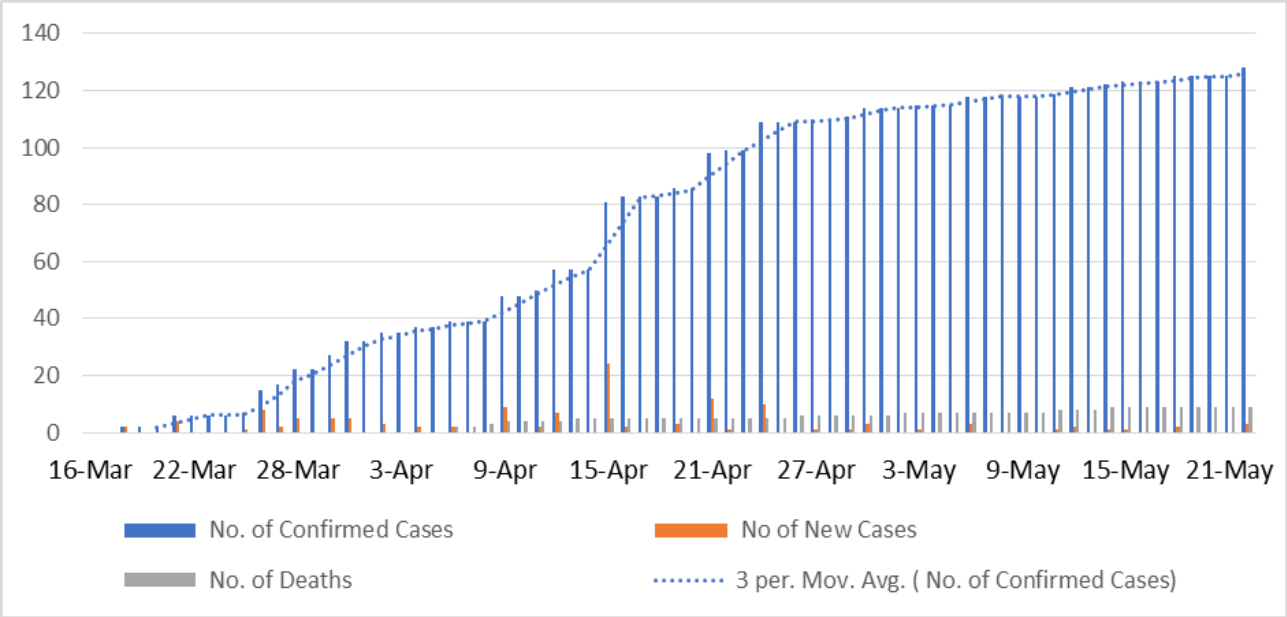
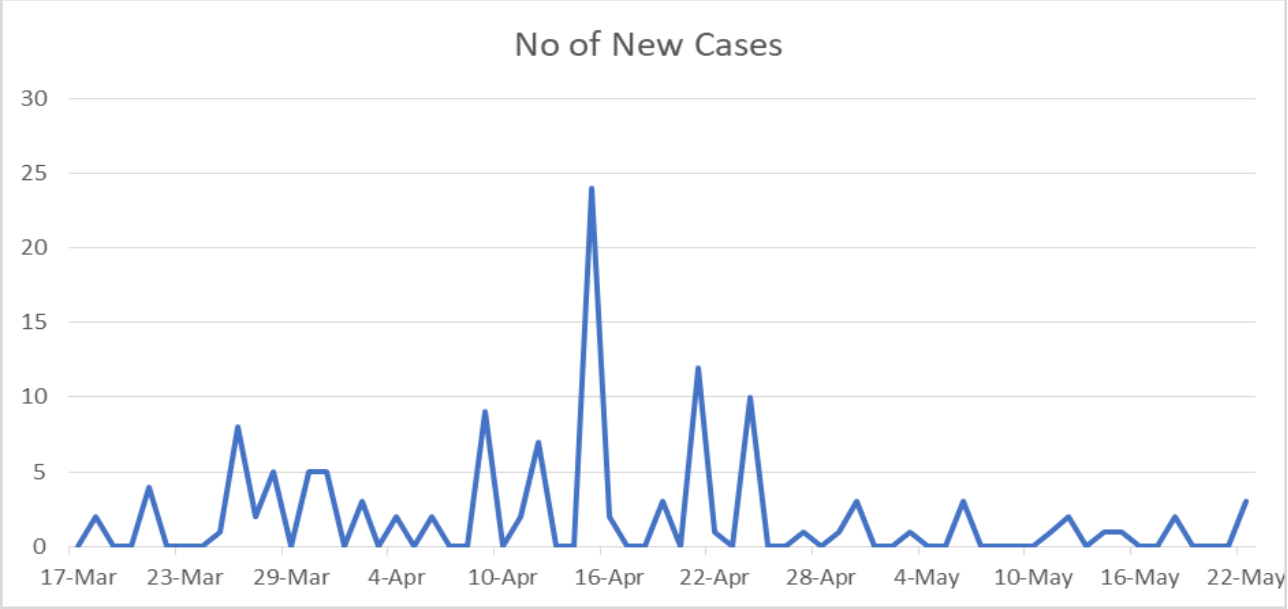


CHART 22A: BERMUDA



There were **5 new cases** in Bermuda for the period **16-22 May**, the same as for the period, **9-15 May.**

CHART 23: BRITISH VIRGIN ISLANDS

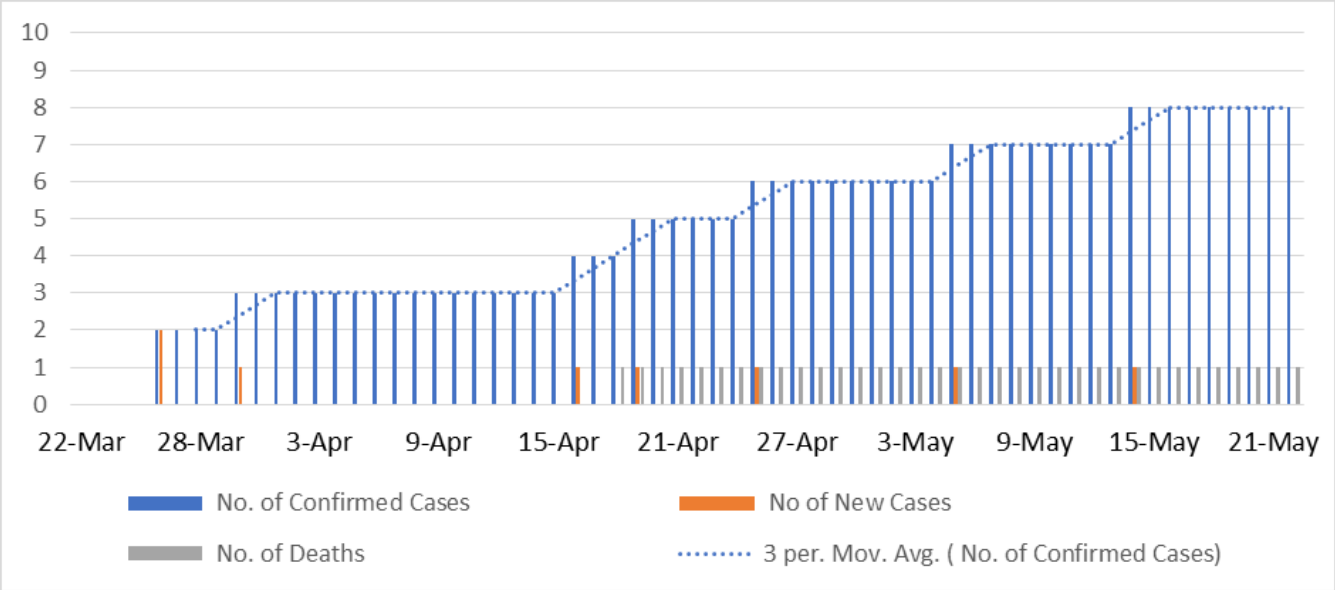
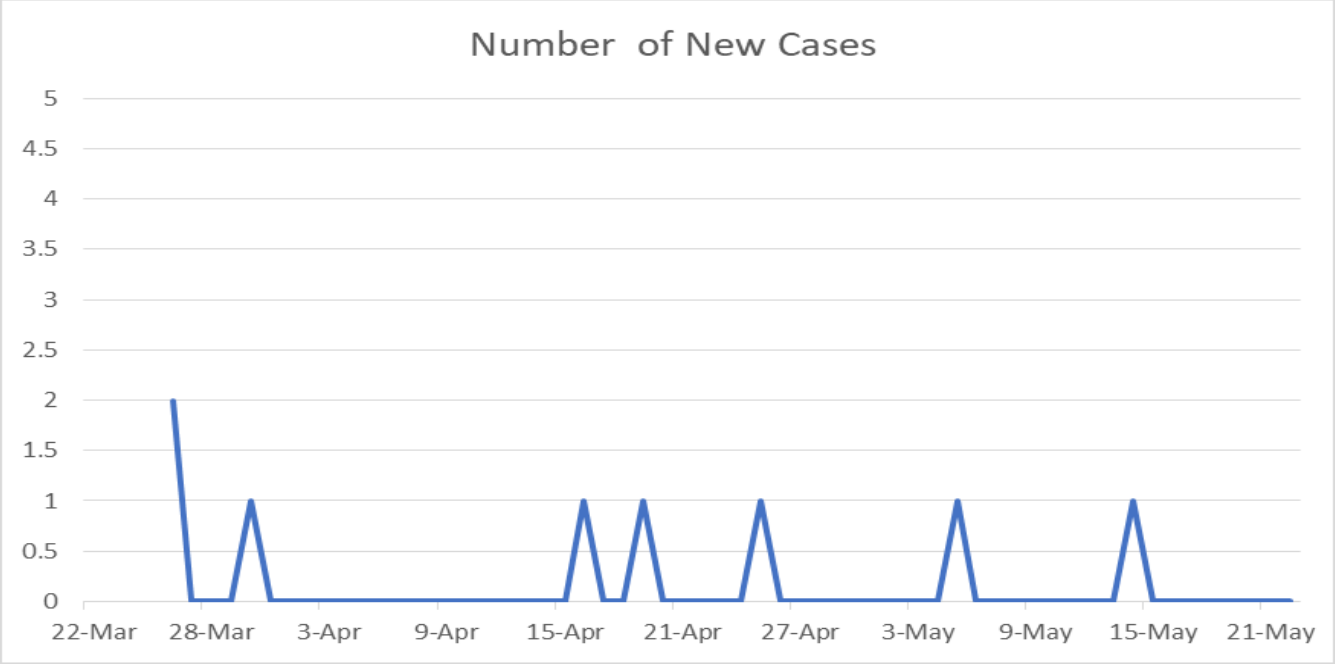


CHART 23A: BRITISH VIRGIN ISLANDS



There were no new cases in the British Virgin Islands during **16-22 May**, the last positive case was on **14 May**.

CHART 24: CAYMAN ISLANDS

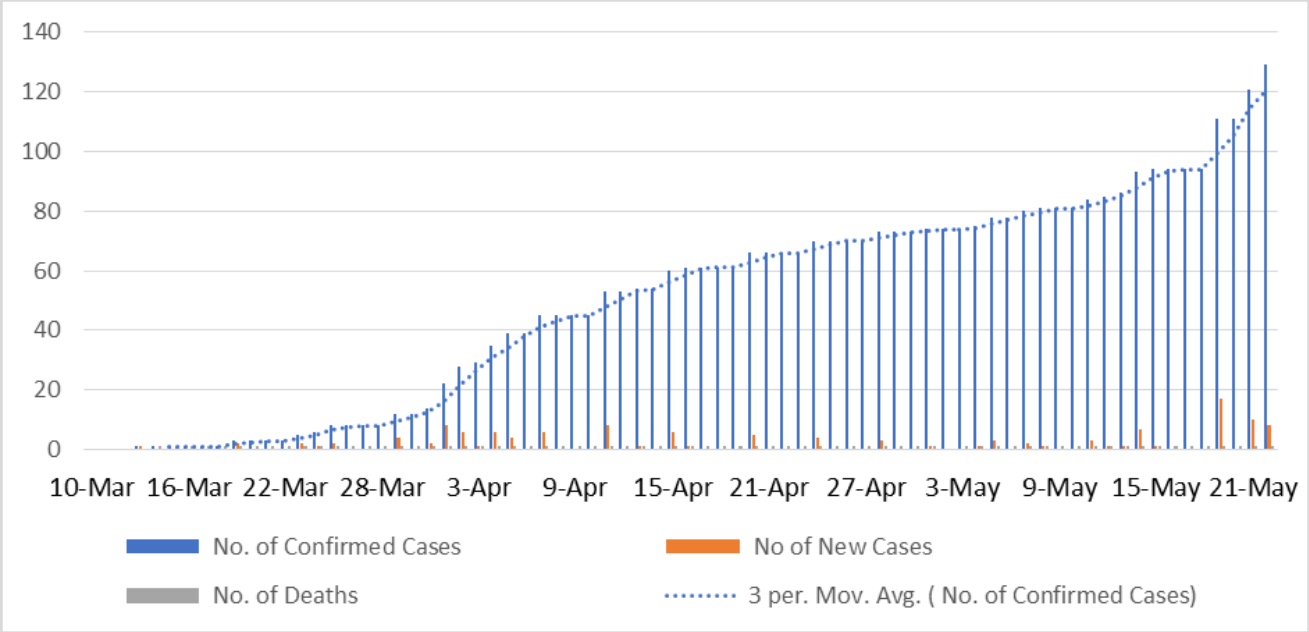
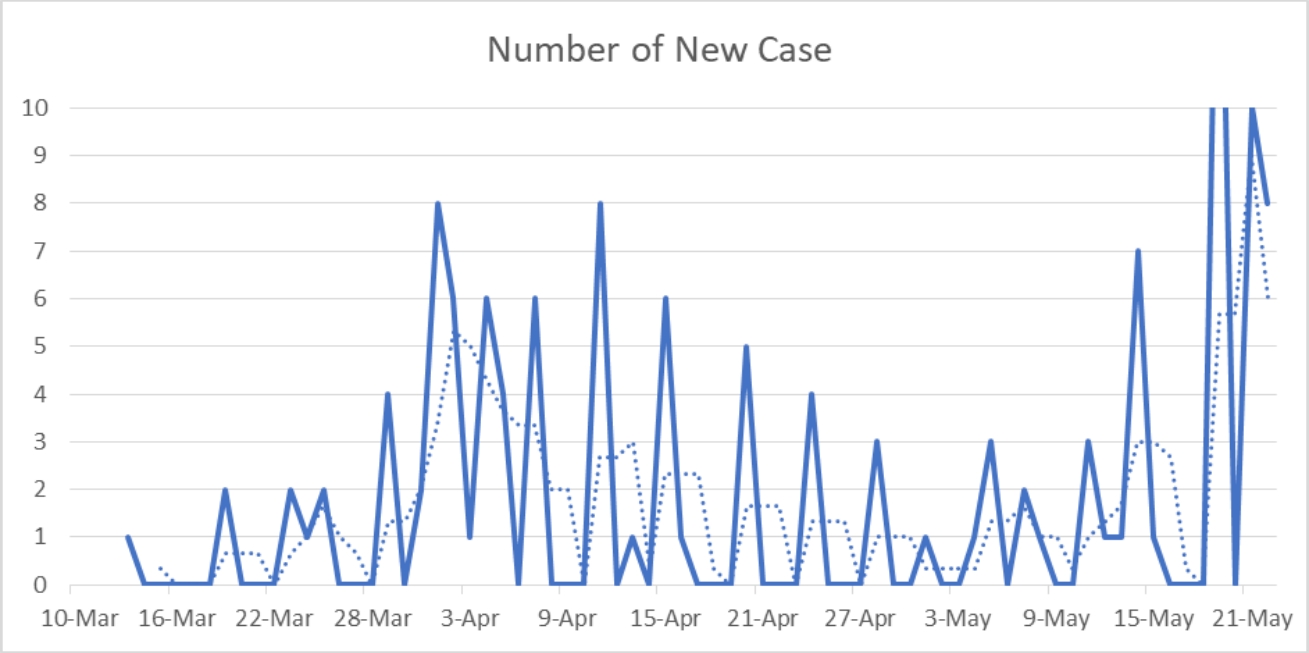


CHART 24A: CAYMAN ISLANDS



There were **35 new cases** in Cayman Islands from 16-22 May as compared to **13 new** cases for the period 9-15 May. This country has the best testing record. Testing is used to track the pandemic.

CHART 25: TURKS AND CAICOS ISLANDS

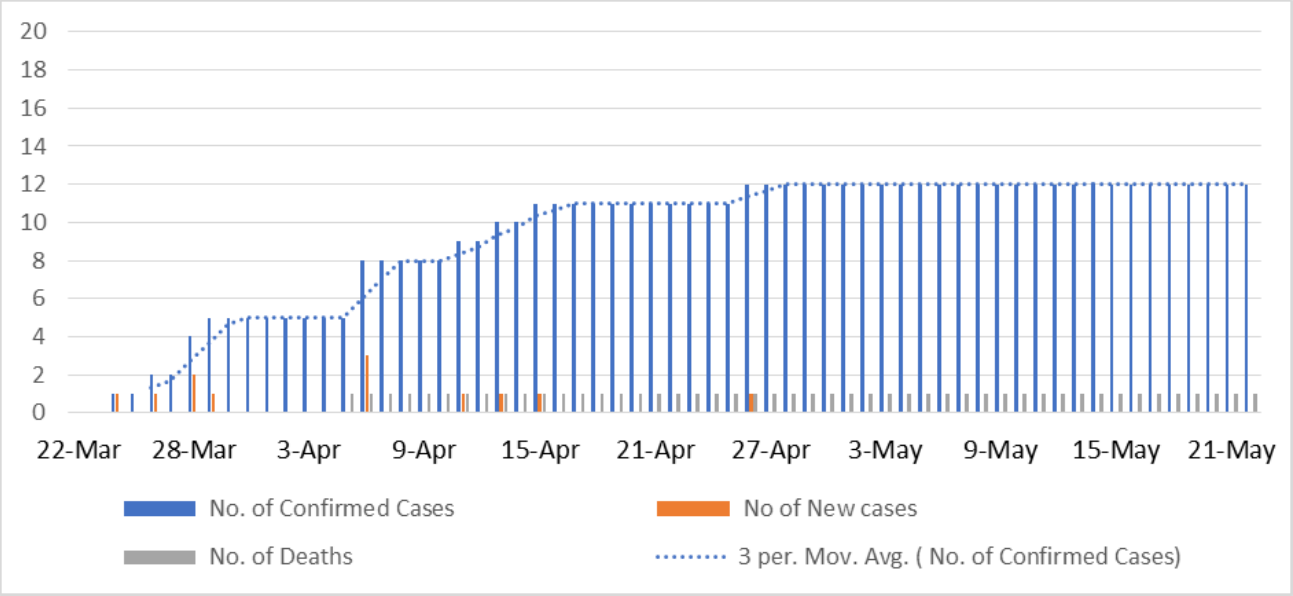
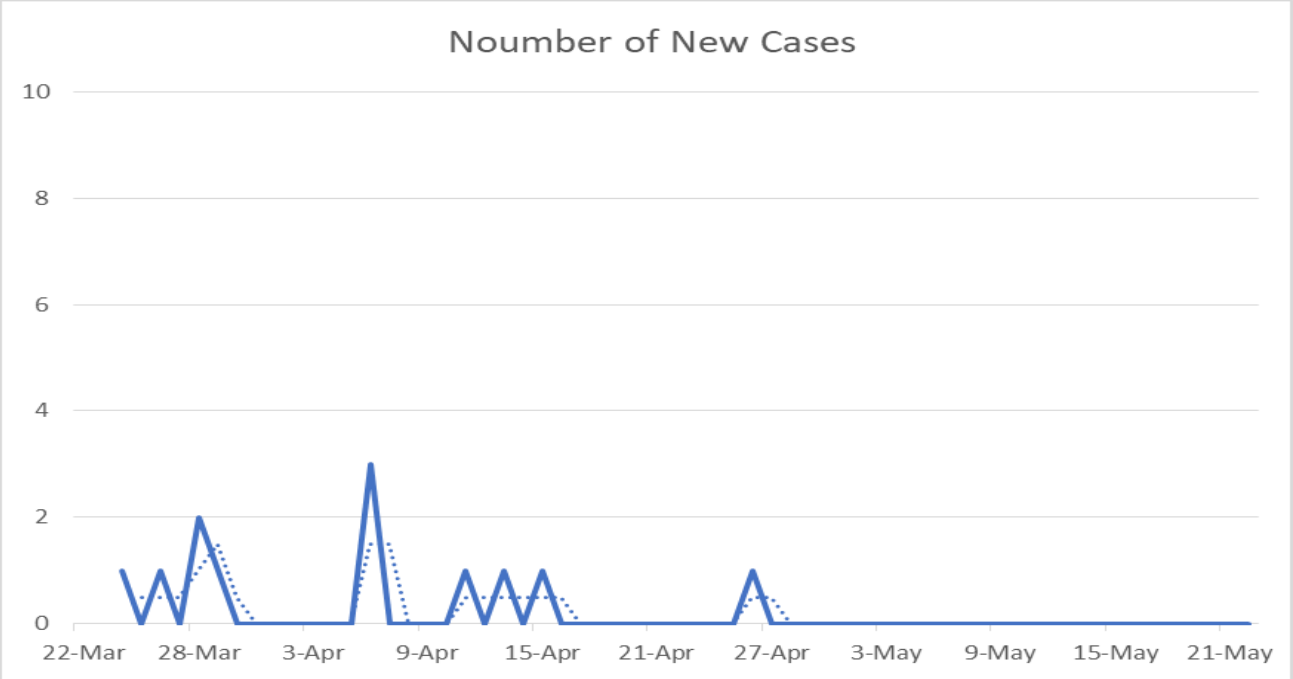


CHART 25A: TURKS AND CAICOS ISLANDS



There were **no new cases** for the period **16-22 May** in Turks and Caicos Islands. The last confirmed case was on **26 April, a period of 26 days up to the 22 May.**

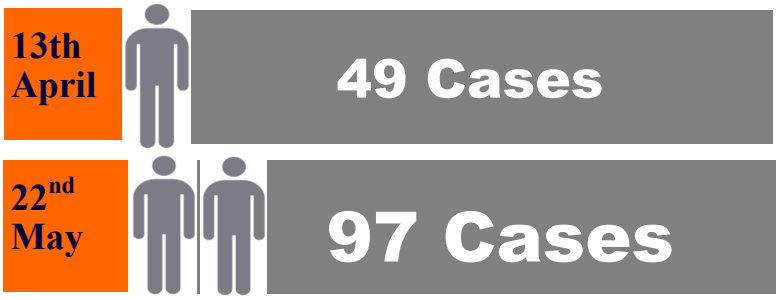
TABLE 8: TREND IN DOUBLING TIME –CARICOM AND SELECTED COUNTRIES

COUNTRY	PERIOD	NO. OF CASES	NO. OF DAYS
ALL COUNTRIES	21 Mar 26 Mar	112 210	5
	26 Mar 3 Apr	210 435	8
	29 Mar 10 April	287 577	12
	2 Apr 17 Apr	403 809	15
	6 Apr 24 Apr	501 1034	18
	11 Apr 1 May	613 1231	20
	14 Apr 8 May	688 1376	24
	17 Apr 15 May	809 1589	28
	25 Apr 22 May	1064 2142	27 Rate:2.01
Haiti	29 Mar 9 Apr	15 30	11
	5 Apr 17Apr	21 44	12
	11 Apr 24 Apr	33 72	13
	15 Apr 1 May	41 81	16
	23 Apr 8 May	62 129	15
	8 May 15 May	129 273	7
	17 May 22 May	358 734	5 Rate: 2.05
Jamaica	26 Mar 3 Apr	26 53	8
	28 Mar 10 Apr	32 64	13
	13 Apr 17 Apr	73 163	4
	16 Apr 24 Apr	143 288	8
	20 Apr 1 May	223 432	11
	22 Apr 8 May	252 490	16
	23 Apr 15 May	257 511	22
	23 Apr 22 May	257 544	29 Rate: 2.1

DOUBLING OF CONFIRMED CASES IN SELECTED COUNTRIES

The Bahamas

Doubling (1.98) 39 days



Barbados

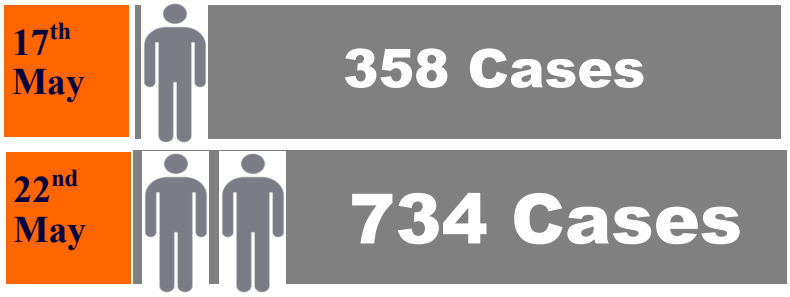
Approx. Doubling(2.0) 51 days

Guyana

Approx. Doubling (2.0) 35 days

Haiti

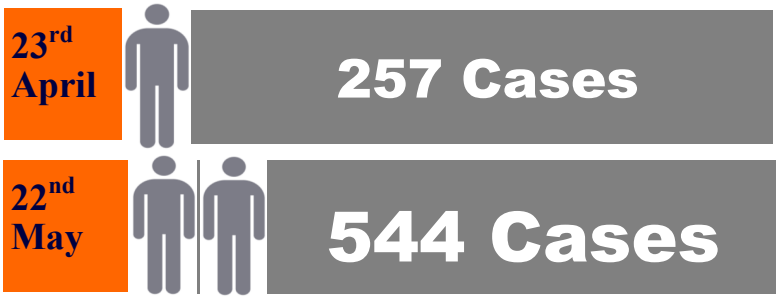
Doubling (2.05) - 5 days



DOUBLING OF CONFIRMED CASES IN SELECTED COUNTRIES

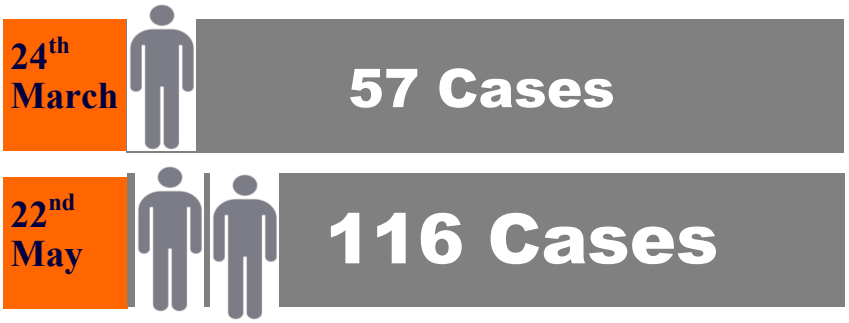
Jamaica

Approx. Doubling (2.1) 29 days



Trinidad and Tobago

Approx. Doubling(2.04) 59 days



Bermuda

Doubling (2.2) 40 days

Cayman Islands

Approx. Doubling (1.95) - 32 days

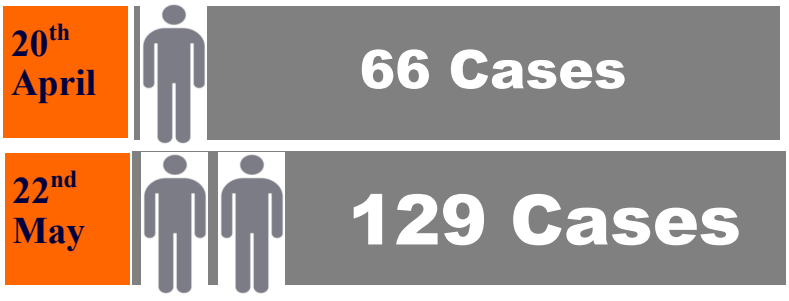


TABLE 9: EXPLANATIONS

Key Term/Issues	Explanation
Data on Testing	Testing for the occurrence of COVID-19 provides an understanding of the pandemic. It tells us how the virus is spreading. Testing should be able to tell us about the total number of cases or persons infected. However given the availability or lack thereof of equipment for testing and the establishment of protocols in many countries that invariably imply that persons should fulfil stated criteria to qualify to be tested, it is likely that the total number of cases are unknown. This data set on testing has increasingly become available for most CARICOM countries with some countries consistently reporting this information. A possible difference in the data is that the tests are performed in different testing laboratories across countries. In some cases testing is done for countries or validated by the Caribbean Public Health Agency (CARPHA) while in other cases they are conducted at national laboratories. Another difference is that tests may include repeated testing for confirmed cases to determine whether these persons have recovered. It is also possible that different types of tests are being reported. Why is data on testing needed? The simple answer is that without data on tests conducted on the COVID-19 we cannot possibly understand how the pandemic is progressing, and which contacts to trace and to quarantine.
Projections	The projections in this and previous Issues largely rely on using observed doubling rates, the rates of change of the latest period of data (prior to the estimation) or using fitted trend lines. No sophisticated modelling has been utilised. For example in the case of Chart 2, a linear projection is undertaken and the equation of that straight line is given as follows: $y = -103.42 + 25.045\,x$ Where y represents the number of confirmed cases and x the number of time periods from the commencement of the first case. Simply put, it is possible to use this equation to obtain predicted values. Assuming that it is necessary to calculate the number of predicted cases on the 29th April as per the linear trend, the number of time periods (x- value) from the 10 March is roughly 50 so the predicted value works out as follows: y_p = -103.42 + 25.045 x 50 = 1252.25 -103.42 =1148.83. The actual value for this same period is 1178 confirmed cases.

TABLE 9: EXPLANATIONS

Key Term/Issue	Explanation
Number of Cases per 100, 000 population	The number of cases per 100,000 population is calculated by dividing the number of cases by the total population, and then multiplying the result by a standard population size in this case 100,000. $$Rate = \frac{No.of\ Confirmed\ Cases}{Total\ Population}\ x\ 100{,}000$$ It is useful for comparing countries/regions of varying populations. For very small values/small populations these rates may be unstable.

KEY REGIONAL AND INTERNATIONAL LINKS ON COVID-19

CARICOM Today:- https://today.caricom.org/covid19/regional/

Regional Statistics Programme (RSP): http://statistics.caricom.org/covid19_bulletin.html

UN DATA HUB:- https://covid-19-response.unstatshub.org/useful-links/international-organisations-resources/

CARPHA (Caribbean Public Health Agency) - https://carpha.org/What-We-Do/Public-Health/Novel-Coronavirus

Article: Tracking the Covid-19 Pandemic in CARICOM– Statistics of a Pandemic

https://today.caricom.org/2020/05/04/tracking-covid-19-pandemic-in-caricom/

Please note that this Newsletter will be on the Regional Statistics Programme's (RSP) website as well as on the UN Data Hub.

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