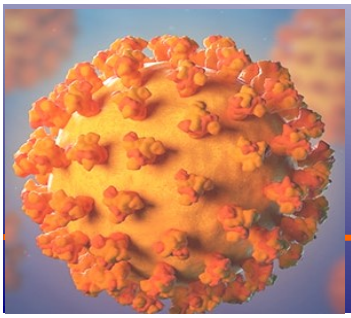
Stats News & Views



Special Topic Statistical Bulletin - COVID-19

Issue 8, 15 May 2020

The **Special Topic Statistical Bulletin on COVID 19 in CARICOM Countries Issue 8**, provides an update of the trajectory of COVID-19 in the CARICOM Region up to **15 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. Apart from the brief highlights under the curves, a Section, "***What do we learn from the Data***?" has been added under Table 1A. The projections are reviewed against the actual values for the past week. However, the 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 assessing progress 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 our back issues for other key explanations about the data.

Situation at a Glance

APRIL 2020						
Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thur.
17th 809	18th 822	19th 853	20th 894	21st 931	22nd 959	23rd 974
24th 1034	25th 1064	26th 1111	27th 1131	28th 1158	29th 1178	30th 1213
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 MAY 1,589 Cases

Total number of confirmed cases increased by **780** over **28 days** (17 April - 15 May 2020) **1.96**

Total number of deaths **increased by 42 in 36 days** (9 April - 15 May 2020) at a rate of **2.0.**

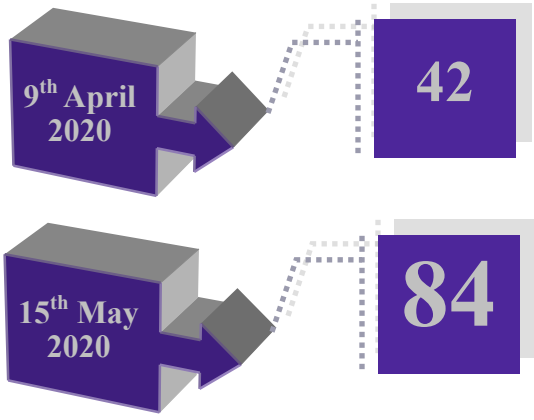


TABLE 1: SUMMARY ALL COUNTRIES -NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS - 1 April - 30 April 2020

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: The Number of Confirmed Cases and the Number of Deaths are cumulative values while the Number of New Cases is not cumulative and reflects a daily number of cases. Please check previous Issues for data from 10-31 March 2020

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TABLE 1A: SUMMARY ALL COUNTRIES -NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS - 1 –15 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

What do we learn from the Data?

The number of confirmed cases moved from **1376** as at **8 May** to **1589** on **15 May.** The number of deaths moved from **74** to **84**. There were **213 new cases. Recoveries** as at **May 15** stood at **666 and Active cases, 836**

Active Cases

- Six countries, ***Anguilla, Belize, Montserrat, Suriname, Saint Lucia and Turks and Caicos Islands*** have no active cases - [Confirmed Cases less recoveries, less deaths and less persons that have left the country];
- Four countries – ***British Virgin Island, Dominica, Trinidad and Tobago and St Kitts and Nevis*** each have ***1 active case*** remaining;
- Two countries, ***Antigua and Barbuda and St Vincent and the Grenadines*** each have ***3 active cases***;
- One country ***Grenada*** has less than 10 active cases (7);
- ***Barbados*** has 13 active cases;
- Three countries ***The Bahamas*** (44), ***Bermuda*** (45) and **Cayman Islands** (38) each have less than 50 active cases;
- ***Guyana*** has under 100 active cases (63) ;
- ***Jamaica and Haiti*** have 381 and 235 active cases, respectively.

Confirmed Cases

- In absolute terms the countries with the highest numbers of Confirmed Cases are ***Jamaica*** with **511, *Haiti*, 273;** and ***Bermuda*, 123.** ***Guyana*** and ***Trinidad and Tobago*** follow with **116** each;
- In rates per 100,000, ***Montserrat*** is the highest with ***220 (11 cases), Bermuda*** is next with ***192.27*** and **Cayman *Islands*** third with ***142.83 (94).*** The rate for ***Jamaica*** is ***18.74***; ***Haiti, 2.39***; ***Guyana, 15.65*** and ***Trinidad and Tobago, 8.53.*** *Please see Table 2 for the rates for selected countries.*

Deaths

- ***Haiti*** has the highest number of deaths with ***20***, 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).***

Testing

- ***Cayman Islands*** has the best testing record with a rate of ***8964 tests per 100,000, (5900*** tests) followed by ***Bermuda, 7714.2 (4935 tests)*** and ***Barbados, 1329.4 (3651 tests)***; ***Jamaica (7946)*** has the highest absolute number of tests.

CHART 1: SUMMARY ALL COUNTRIES - NUMBER OF CONFIRMED CASES, NEW CASES AND DEATHS –10 MARCH—15 MAY

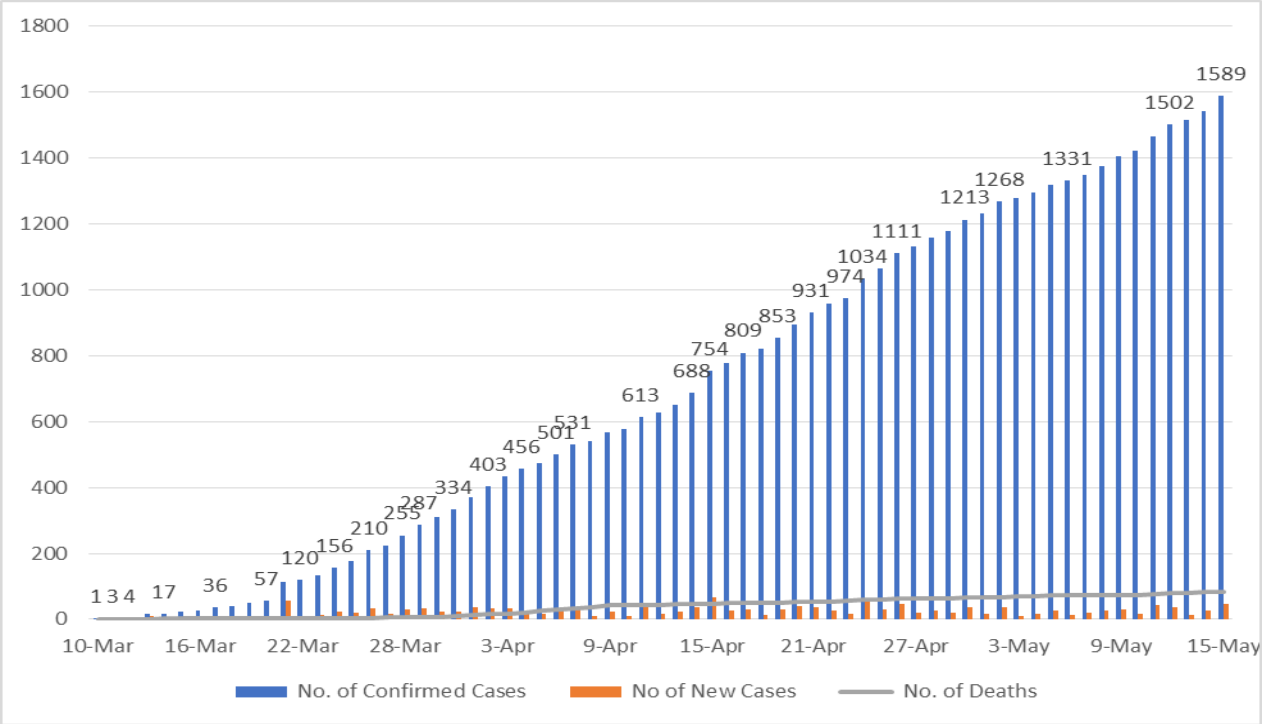
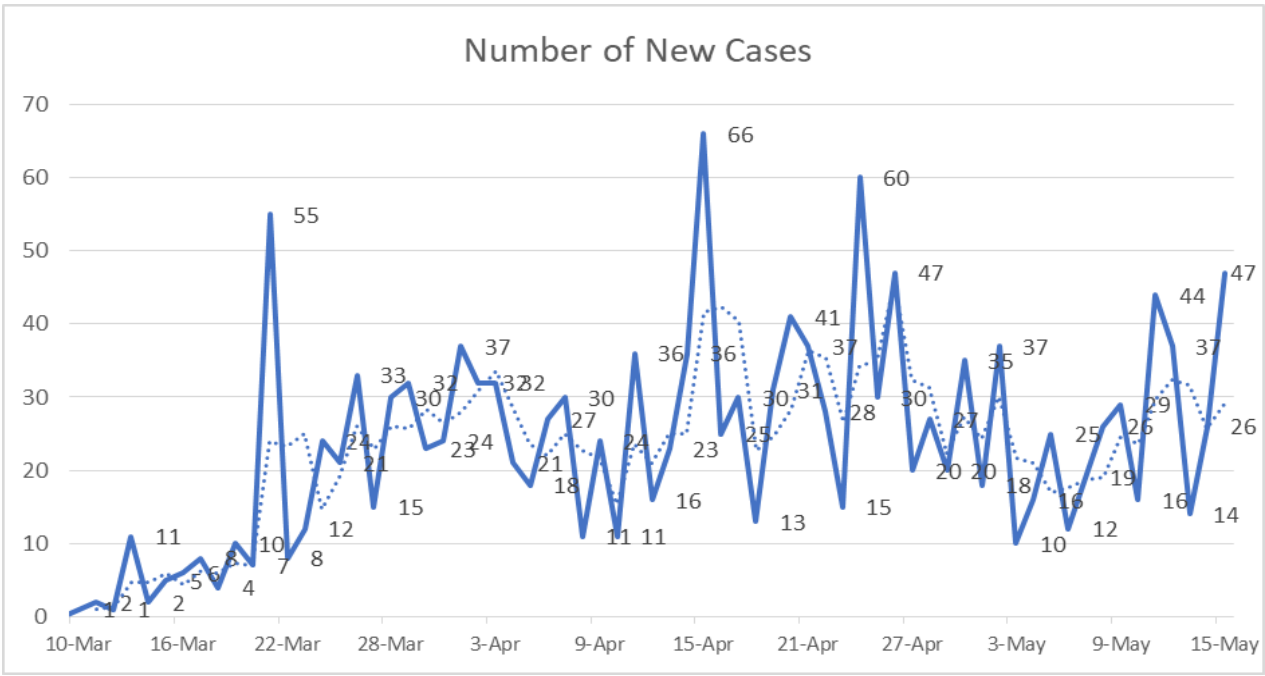


CHART 1A: SUMMARY ALL COUNTRIES WITH THREE-DAY MOVING AVERAGE OF THE NUMBER OF NEW CASES -10 MARCH—15 MAY



The total number of new cases for the period 9-15 May was **213** compared to **119** for the period 2-8 May, increase of 94 new cases . Haiti contributed to **139** of these new cases, Guyana, **22**, Jamaica, **21** and Cayman Islands **13**.

CHART 1B: SUMMARY ALL COUNTRIES - NUMBER OF DEATHS-10 MARCH—15 MAY

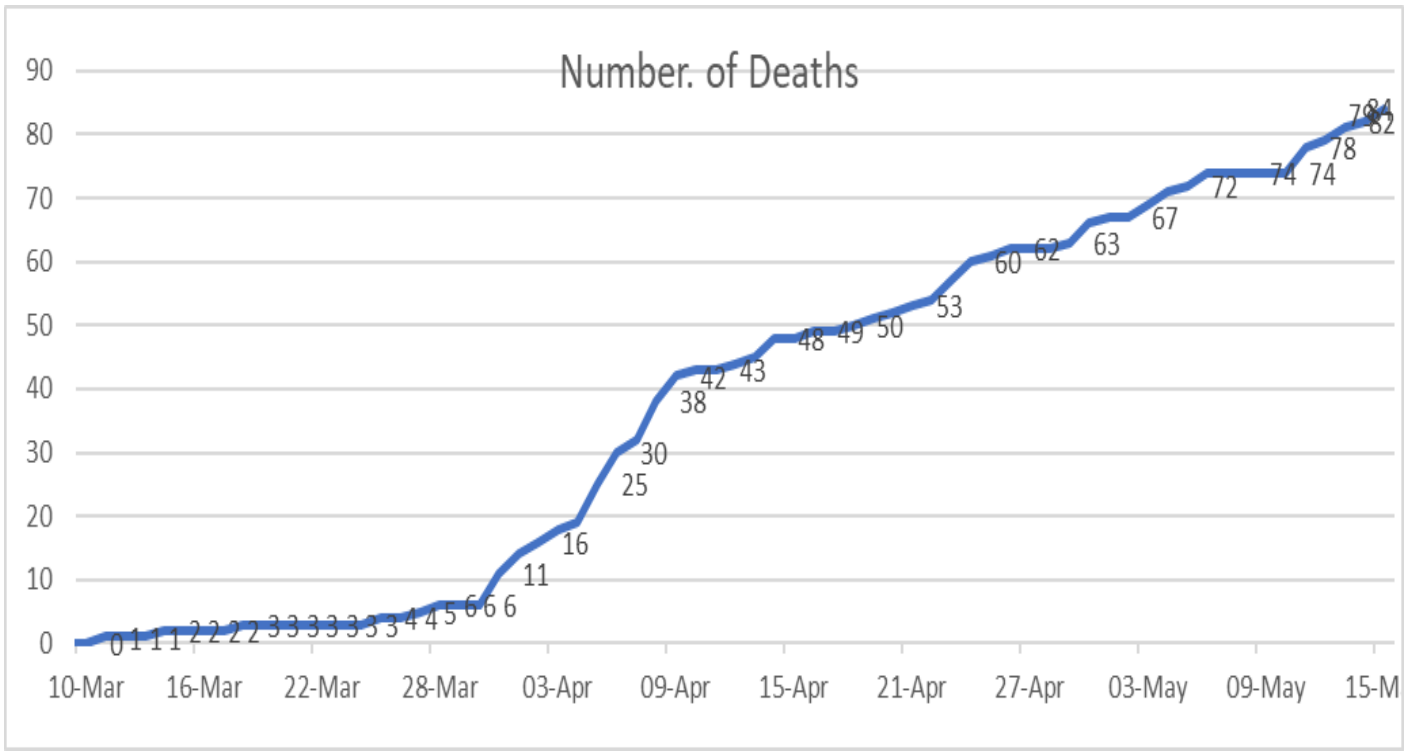
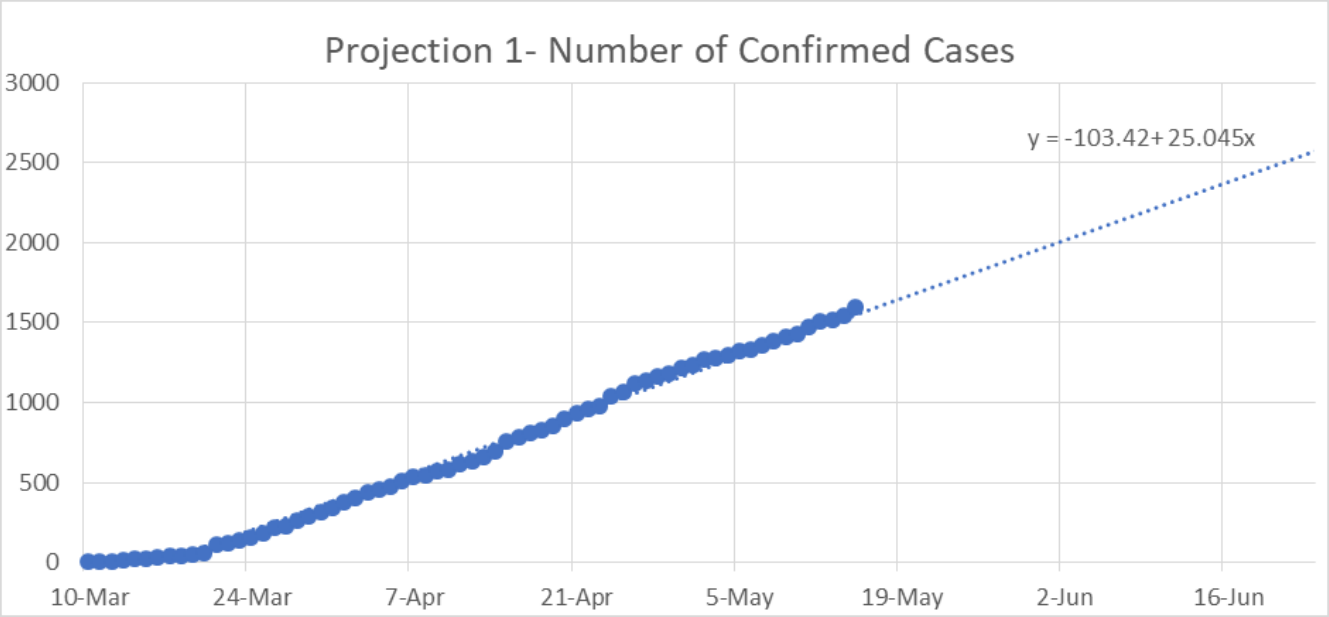
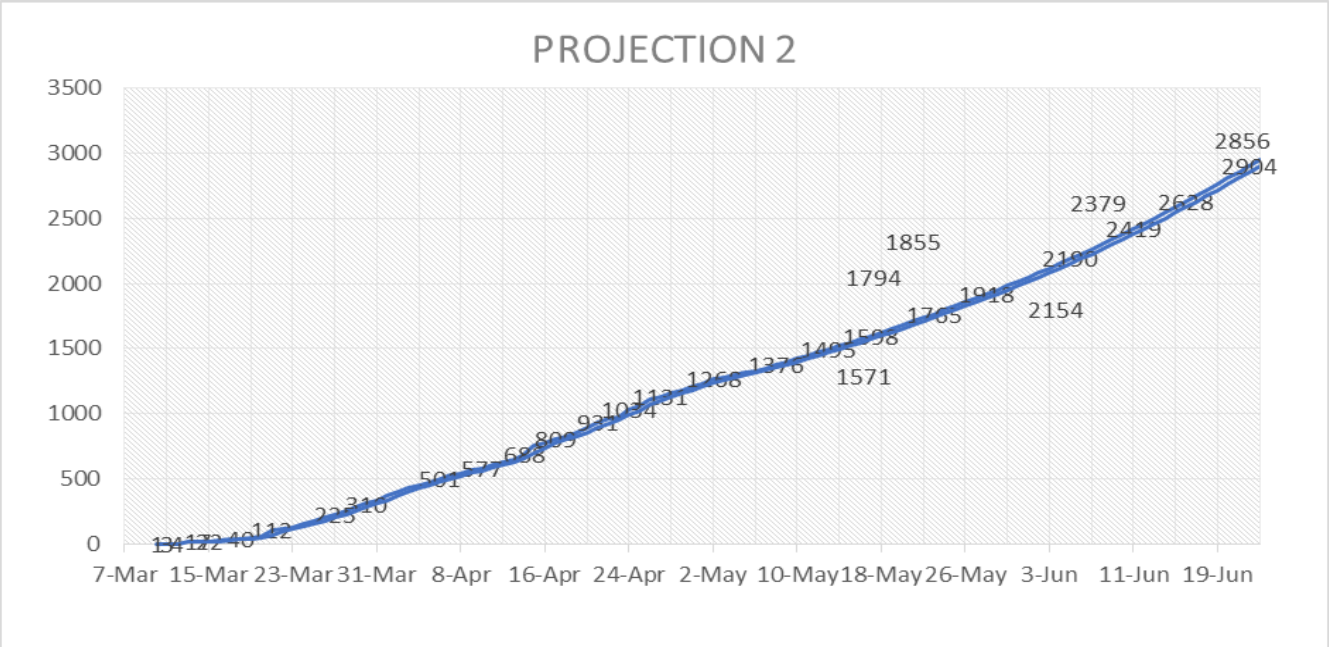


CHART 2: PROJECTION 1-ESTIMATED NUMBER OF CONFIRMED CASES TO 23 JUNE 2020



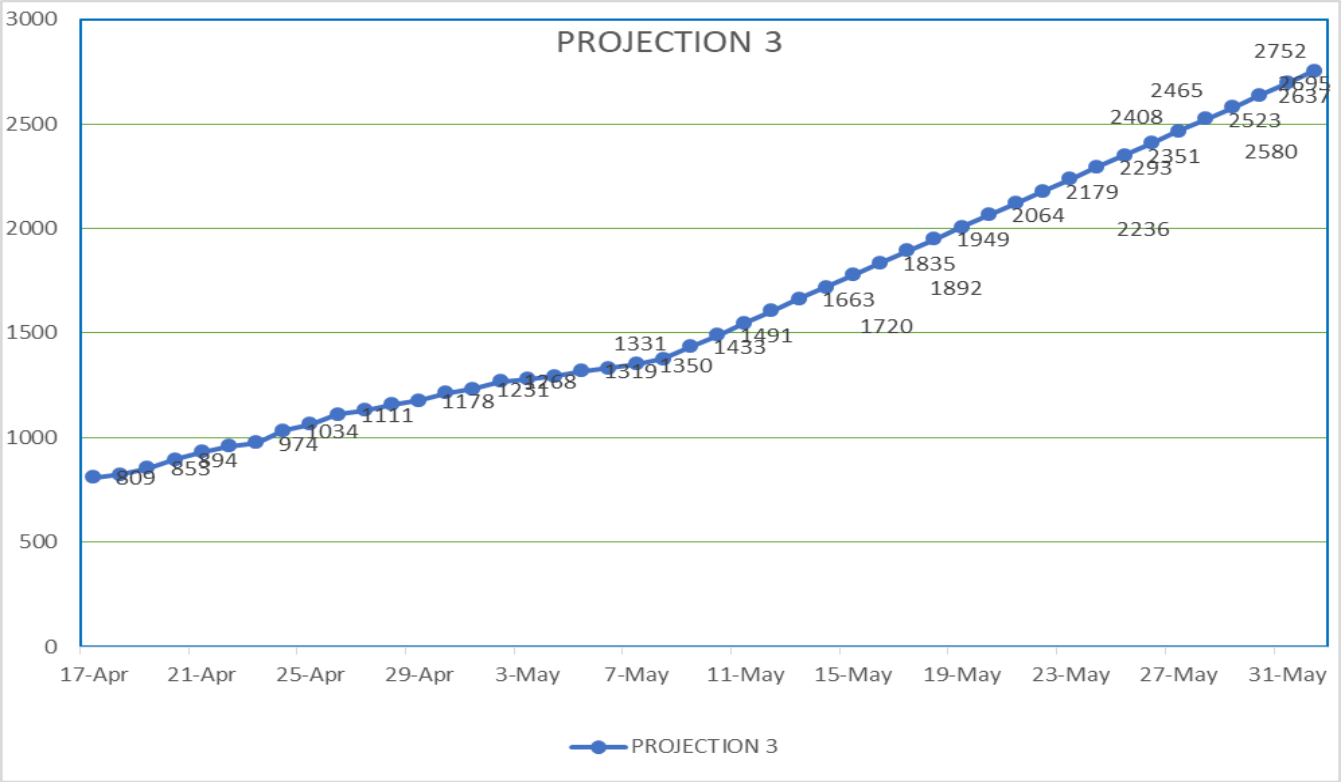
Note: Linear trend line extended to 23 June 2020. Using the equation of the line the predicted value for 15 May which is 66 periods from 10 March works out to **1550** cases as compared to the actual value which is **1589** cases. Please check the Explanatory Notes on how to use the equation to get the predicted values.

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



Note: ***How did this Projection perform ?*** (Projected values in blue): 9 May (1405, **1399**); 10 May (1421, **1422**); 11 May (1467, **1446**); 12 May (1516, **1470**); 13 May (1516, **1495**); 14 May (1542, **1520**) and 15 May (1589, **1546**). Projected value for 22 May is **1736**.

CHART 2B PROJECTION BASED ON 24 DAY DOUBLING PERIOD- UP TO 31 MAY 2020



The actual versus the projected values (in blue) for this scenario for 9-15 May are: 9 May (1405, **1433**); 10 May (1421, **1401**); 11 May (1465, **1548**); 12 May (1502, 1**605**), 13 May (1516, **1663**), 14 May (1542, **1720**); 15 May (1589, **1777**).

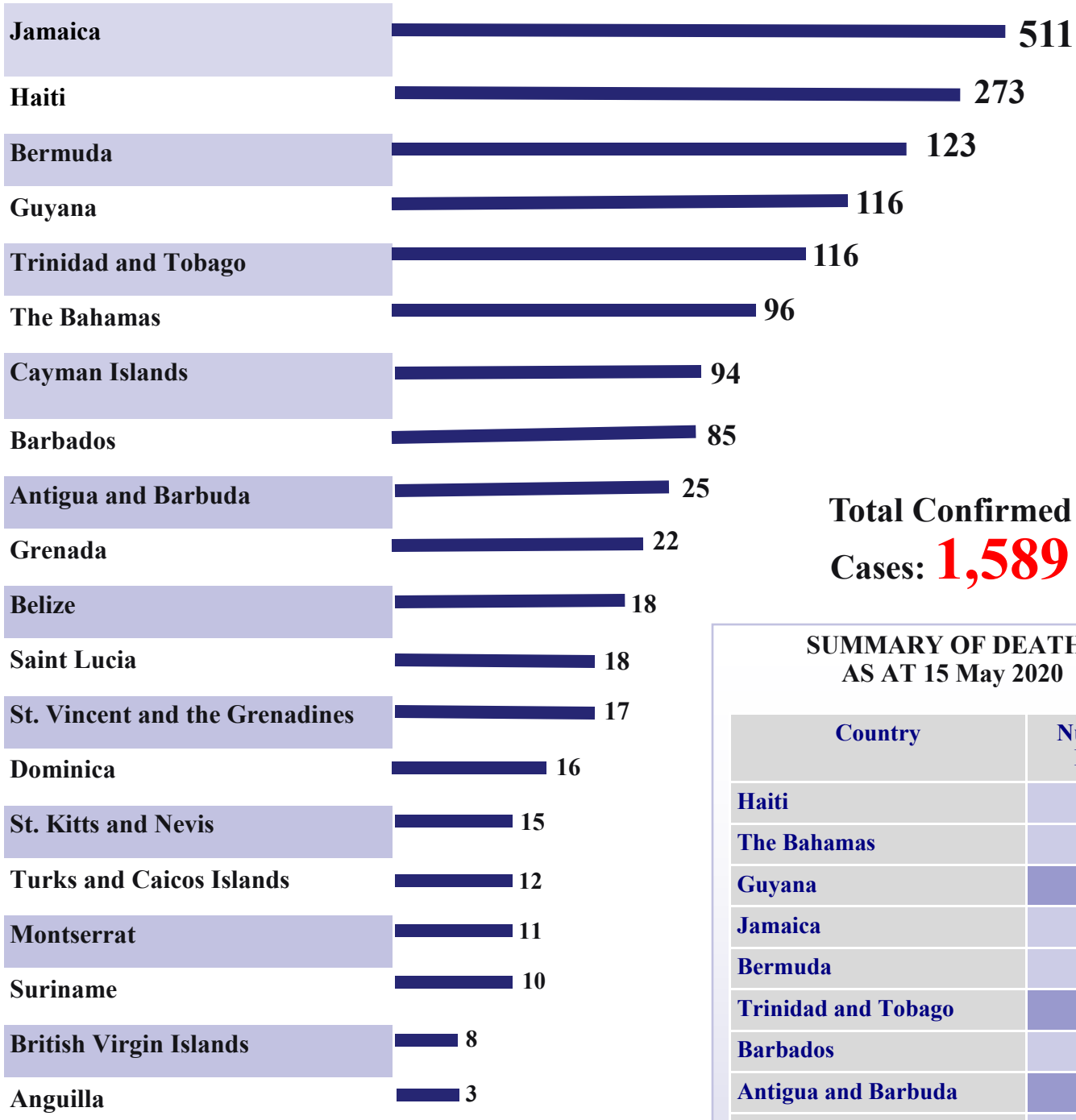
The projected value for 22 May is **2179**.

The doubling period in days has increased from 24 to 28 days implying that the number of new cases should increase at a decreasing rate.

The projected value for the 22 May should be less than calculated (all things being equal) in this projection which was based on a doubling rate of 24 days.

There are several factors that impact this mathematically-based projection that would make it depart from reality.

SUMMARY OF CONFIRMED CASES AS AT 15 MAY 2020



Total Confirmed Cases: 1,589

Total Deaths: 84

Note: Guyana has moved from fifth place in the number of confirmed cases to joint third place with Trinidad and Tobago as at 15 May compared to 8 May. However, Guyana's rate per 100,000 population is lower than many countries (See Table 2).

SUMMARY OF DEATHS AS AT 15 May 2020

Country	Number of Deaths
Haiti	20
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

COUNTRY	03-Apr	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May
CARICOM -ALL COUNTRIES	2.39	3.18	4.45	5.69	6.78	7.57	8.75
CARICOM EXCLD HAITI	5.77	7.58	10.62	13.35	15.95	17.31	18.27
ANTIGUA AND BAR-BUDA	15.79	22.10	24.21	25.26	26.31	26.31	26.31
THE BAHAMAS	6.29	11.01	14.42	19.14	21.50	24.65	25.18
BARBADOS	18.57	24.40	27.31	28.04	29.49	30.22	30.95
BERMUDA	54.71	75.03	129.74	170.38	178.20	184.45	192.27
CAYMAN ISLANDS	44.06	68.38	92.69	106.36	112.44	123.08	142.83
GUYANA	3.10	4.99	8.50	9.85	11.07	12.55	15.65
HAITI	0.16	0.27	0.39	0.63	0.71	1.13	2.39
JAMAICA	1.94	2.38	5.98	10.56	15.84	17.97	18.74
TRINIDAD & TOBAGO	7.36	8.02	8.39	8.46	8.53	8.53	8.53

Note: Please check the **explanations repeated in this Issue** for the note on 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 15 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 15 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 15 May for those countries that are not shown can be requested.

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

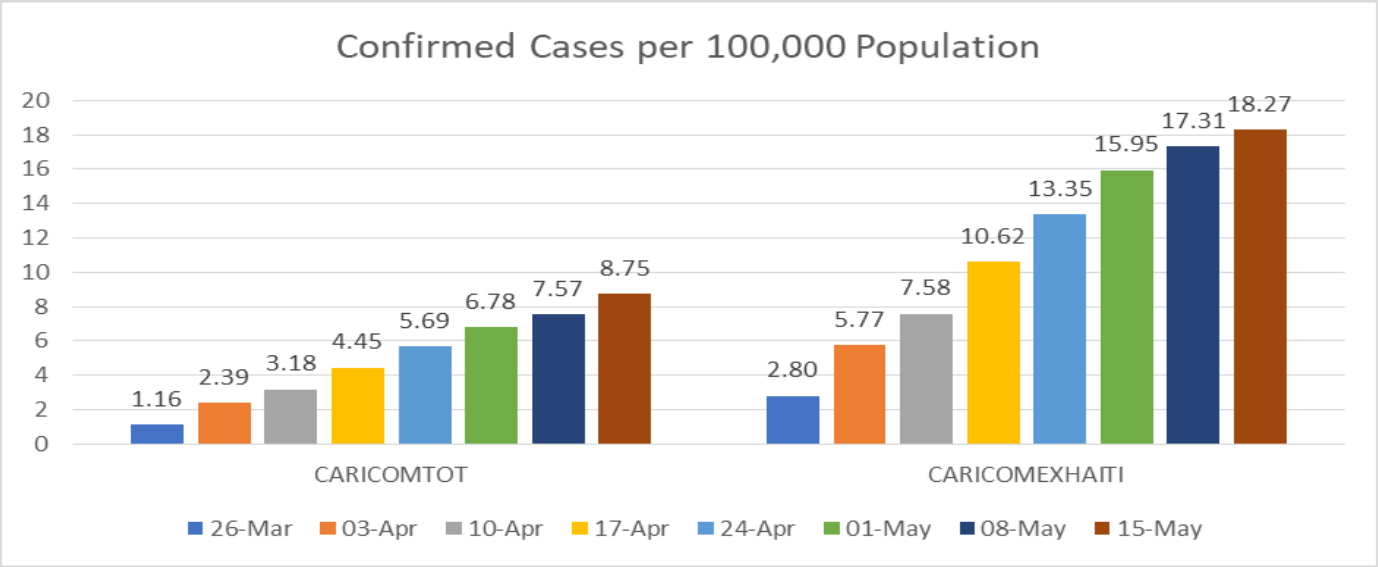


CHART 3A: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION – SELECTED COUNTRIES

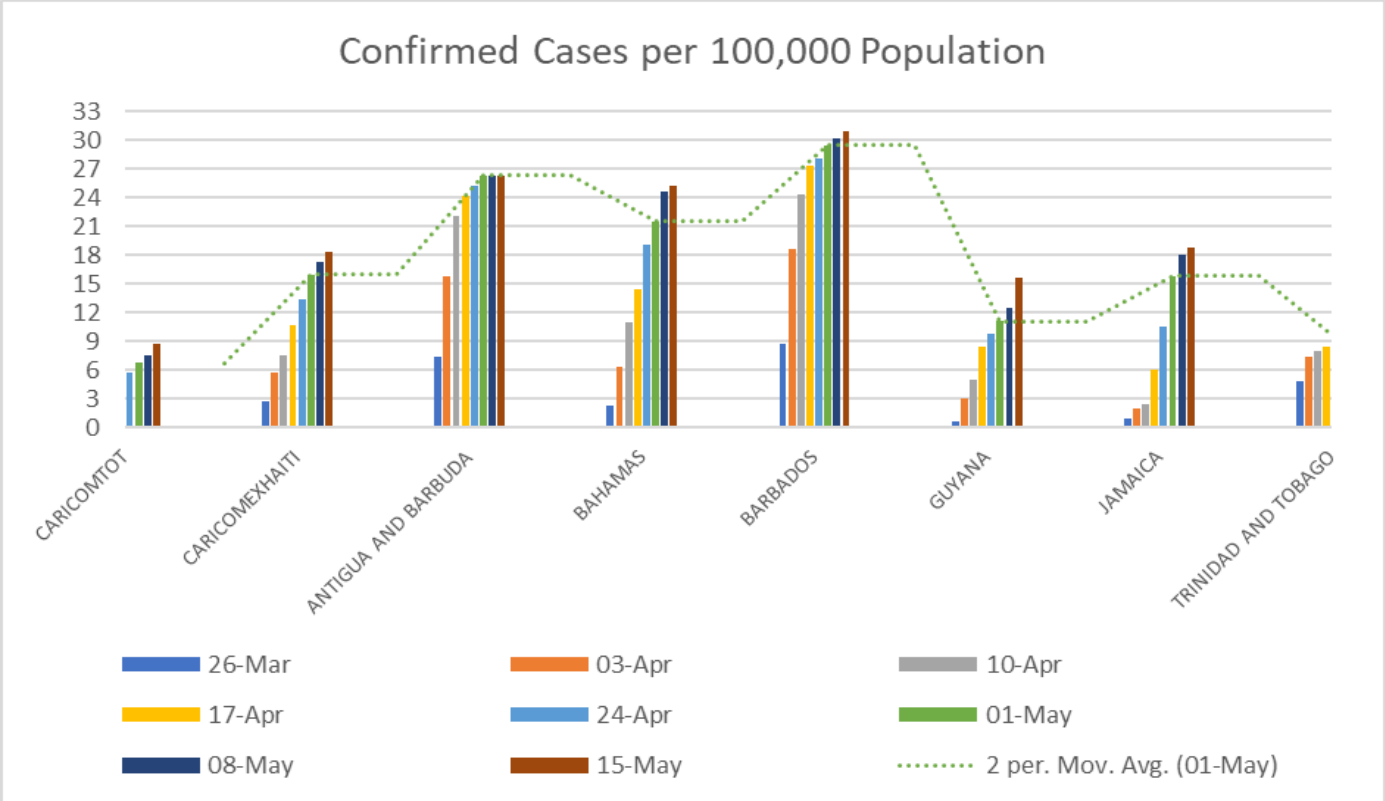


CHART 3B: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION – BERMUDA AND CAYMAN ISLANDS

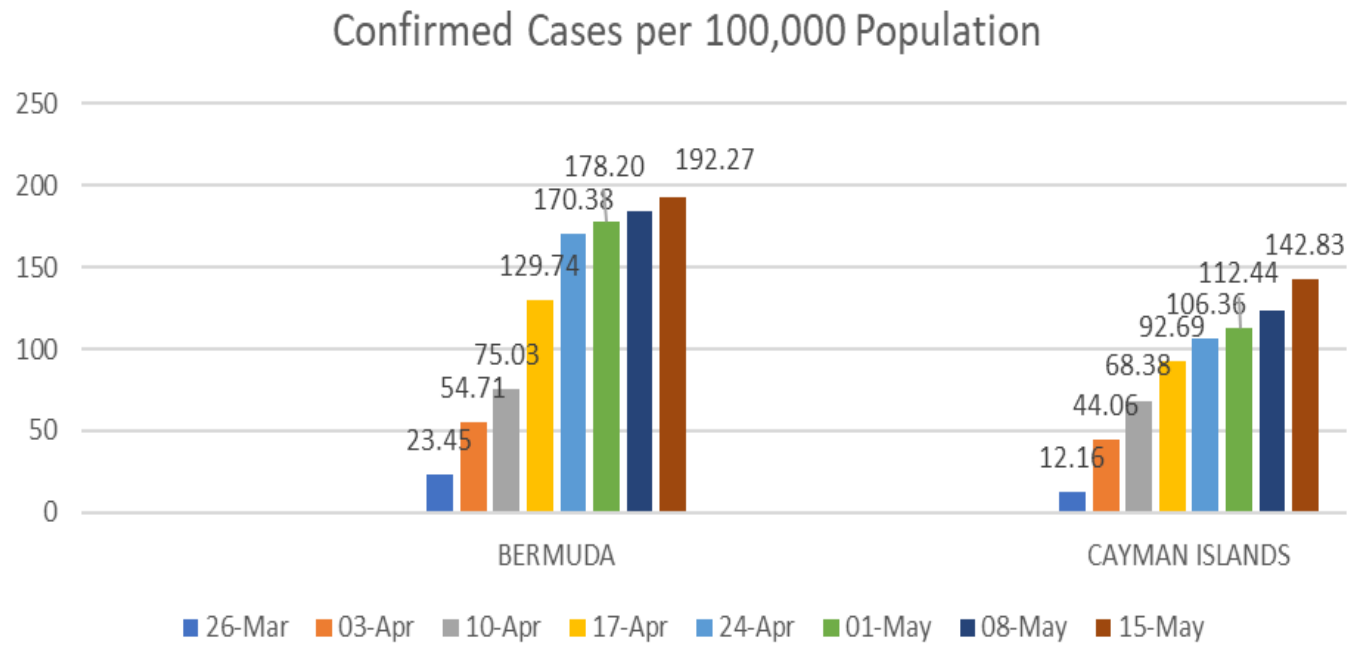


CHART 3C: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION- HAITI

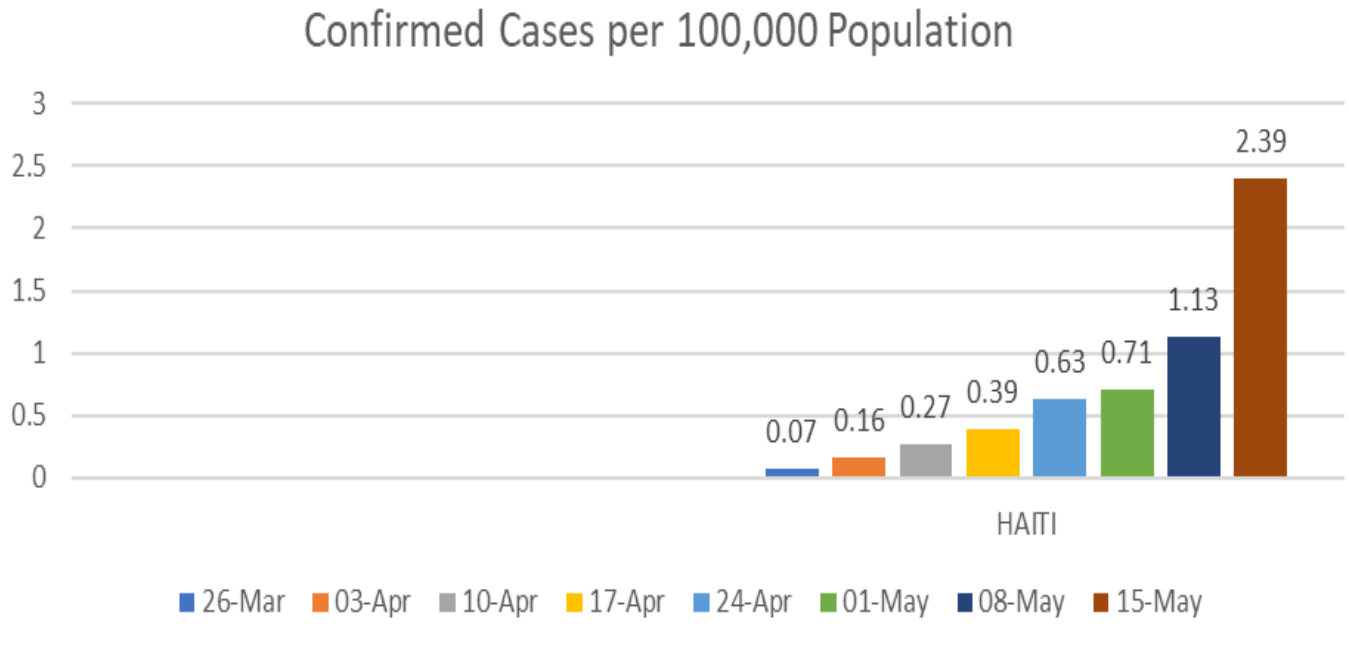


CHART 3D: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION - GUYANA, JAMAICA AND TRINIDAD AND TOBAGO

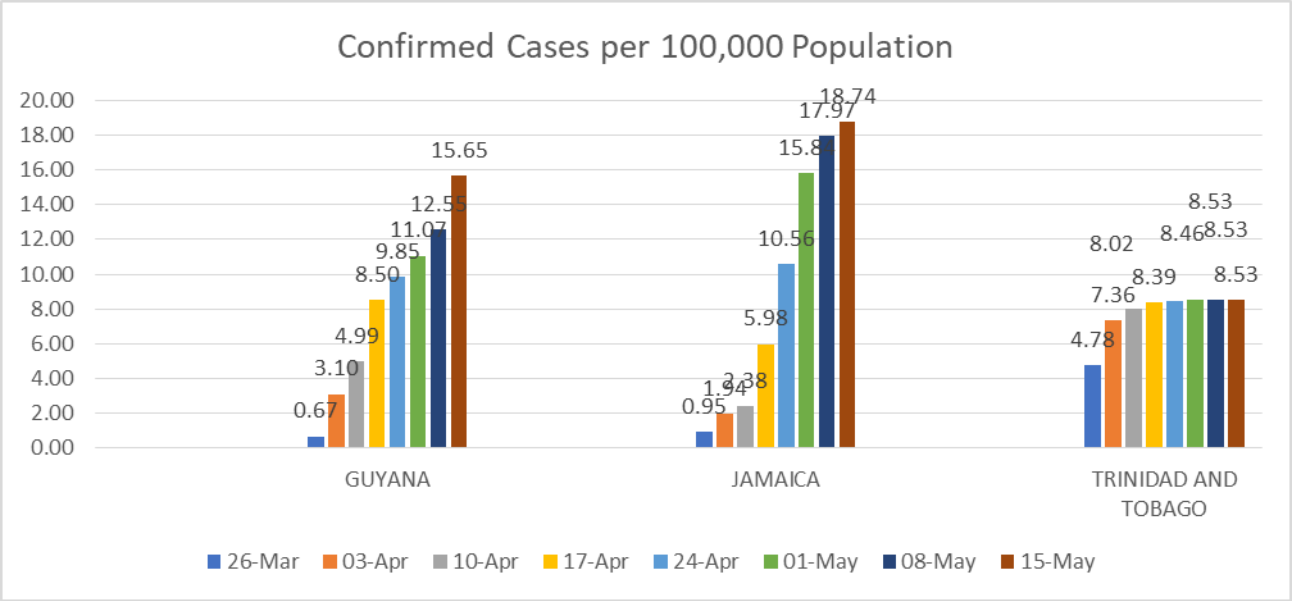


CHART 3E: NUMBER OF CONFIRMED CASES PER 100,000 POPULATION - ANTIGUA AND BARBUDA, THE BAHAMAS AND BARBADOS

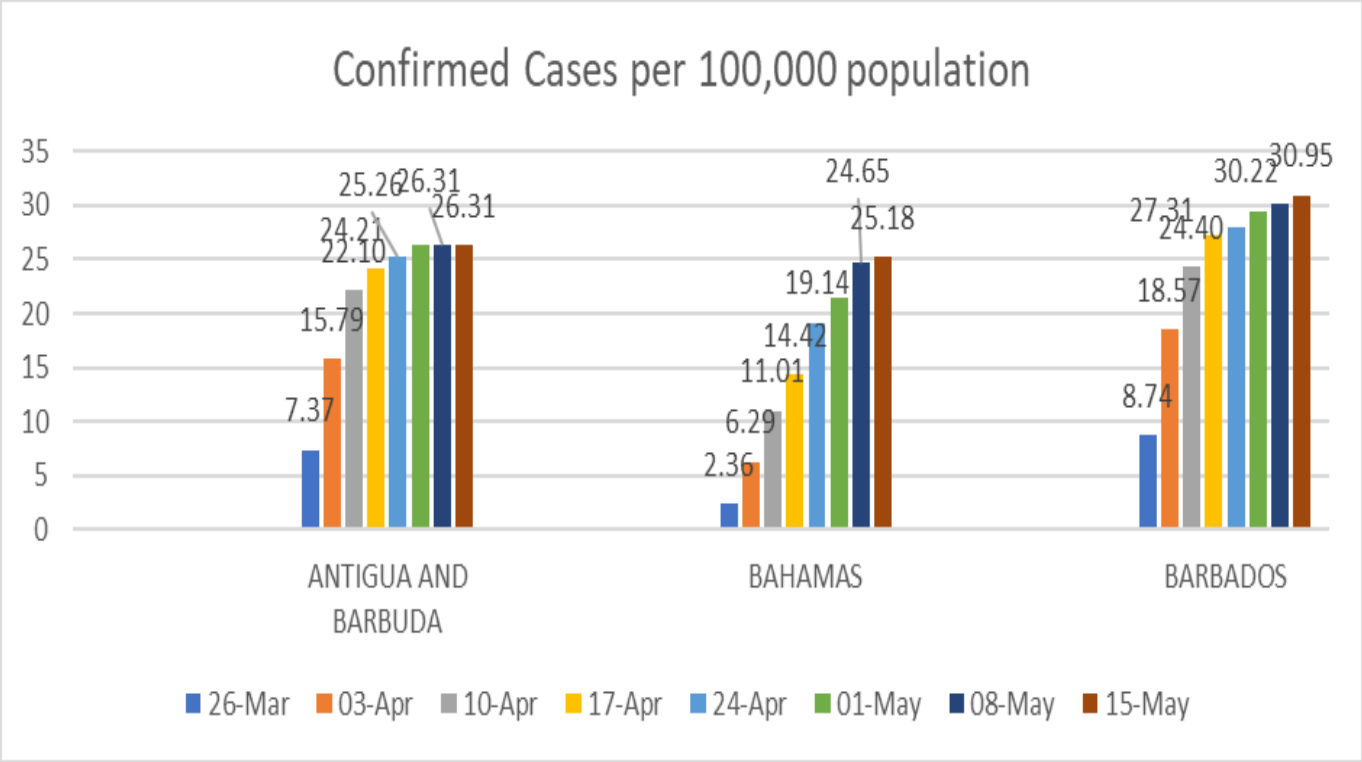


TABLE 3: NUMBER OF DEATHS PER 100,000 POPULATION

COUNTRY	DATE						
	03-Apr	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May
CARICOM ALL COUNTRIES	0.10	0.24	0.27	0.33	0.37	0.41	0.46
CARICOM EXCL HAITI	0.25	0.57	0.64	0.76	0.82	0.86	0.89
ANTIGUA AND BARBUDA	0.00	2.10	3.16	3.16	3.16	3.16	3.16
THE BAHAMAS	0.79	2.10	2.36	2.88	2.88	2.88	2.88
BARBADOS	0.00	1.46	1.82	2.18	2.55	2.55	2.55
BERMUDA	0.00	6.25	7.82	7.82	9.38	10.94	14.07
BELIZE	0.00	0.50	0.50	0.50	0.50	0.50	0.50
BRITISH VIRGIN ISLANDS	0.00	0.00	0.00	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	0.54	0.81	0.81	1.08	1.21	1.35	1.35
HAITI	0.00	0.02	0.03	0.04	0.07	0.11	0.18
JAMAICA	0.11	0.15	0.18	0.26	0.29	0.33	0.33
MONTSERRAT	0.00	0.00	0.00	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	0.44	0.59	0.59	0.59	0.59	0.59	0.59
TURKS AND CAICOS ISLANDS	0.00	2.42	2.42	2.42	2.42	2.42	2.42

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

COUNTRY	26-Mar	03-Apr	10-Apr	17-Apr	24-Apr	01-May	08-May	15-May
CARICOM– ALL COUNTRIES	1.9	4.1	7.5	6.1	5.8	5.4	5.4	5.3
ANTIGUA AND BARBUDA	0.0	0.0	9.5	13.0	12.5	12.0	12.0	12.0
THE BAHAMAS	0.0	12.5	19.0	16.4	15.1	13.4	11.7	11.5
BARBADOS	0.0	0.0	6.0	6.7	7.8	8.6	8.4	8.2
BERMUDA	0.0	0.0	8.3	6.0	4.6	5.3	5.9	7.3
BELIZE	0.0	0.0	20.0	11.1	11.1	11.1	11.1	11.1
BRITISH VIRGIN ISLANDS	0.0	0.0	0.0	0.0	20.0	16.7	14.3	12.5
CAYMAN ISLANDS	12.5	3.4	2.2	1.6	1.4	1.4	1.2	1.1
GUYANA	20.0	17.4	16.2	9.5	11.0	11.0	10.8	8.6
HAITI	0.0	0.0	6.5	6.8	6.9	9.9	9.3	7.3
JAMAICA	3.8	5.7	6.2	3.1	2.4	1.9	1.8	1.8
MONTSERRAT	0.0	0.0	0.0	0.0	9.1	9.1	9.1	9.1
SURINAME	0.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
TRINIDAD & TOBAGO	1.5	6.0	7.3	7.0	7.0	6.9	6.9	6.9
TURKS AND CAICOS ISLANDS	0.0	0.0	12.5	9.1	9.1	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.

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

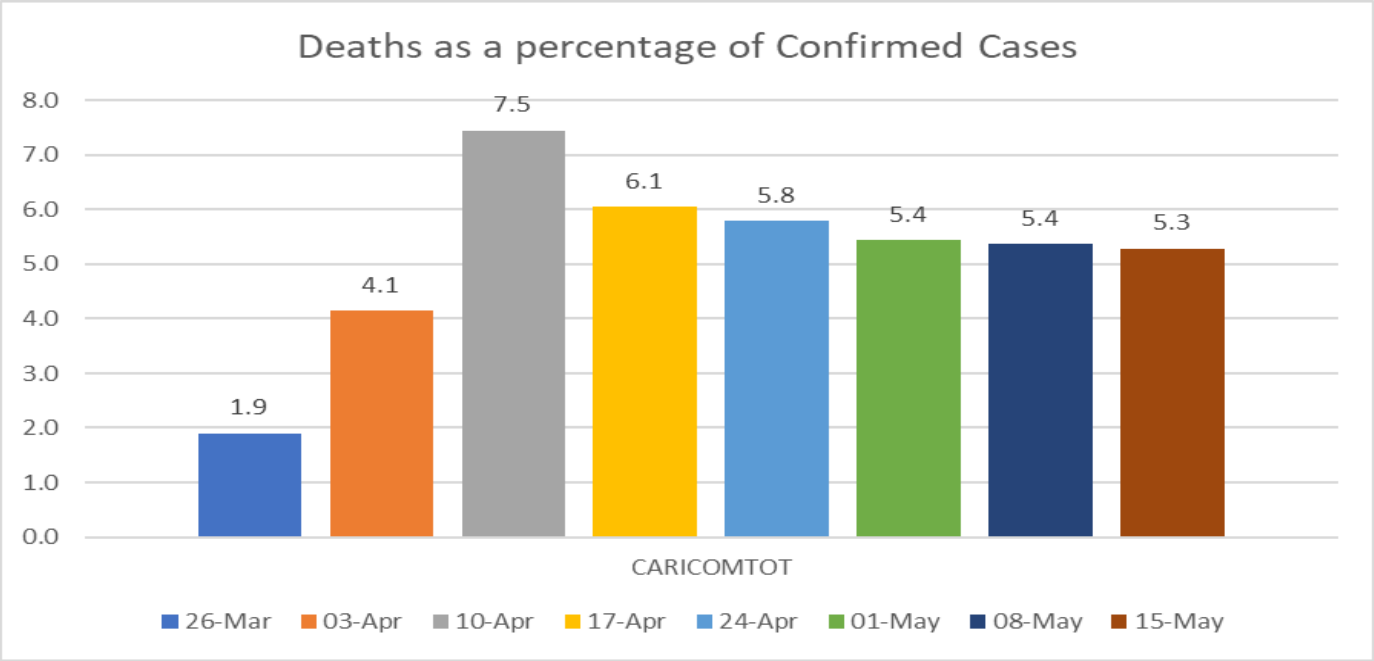


CHART 4A: DEATHS AS A PERCENTAGE OF CONFIRMED CASES- SELECTED COUNTRIES-CASE FATALITY RATES - 15 MAY 2020

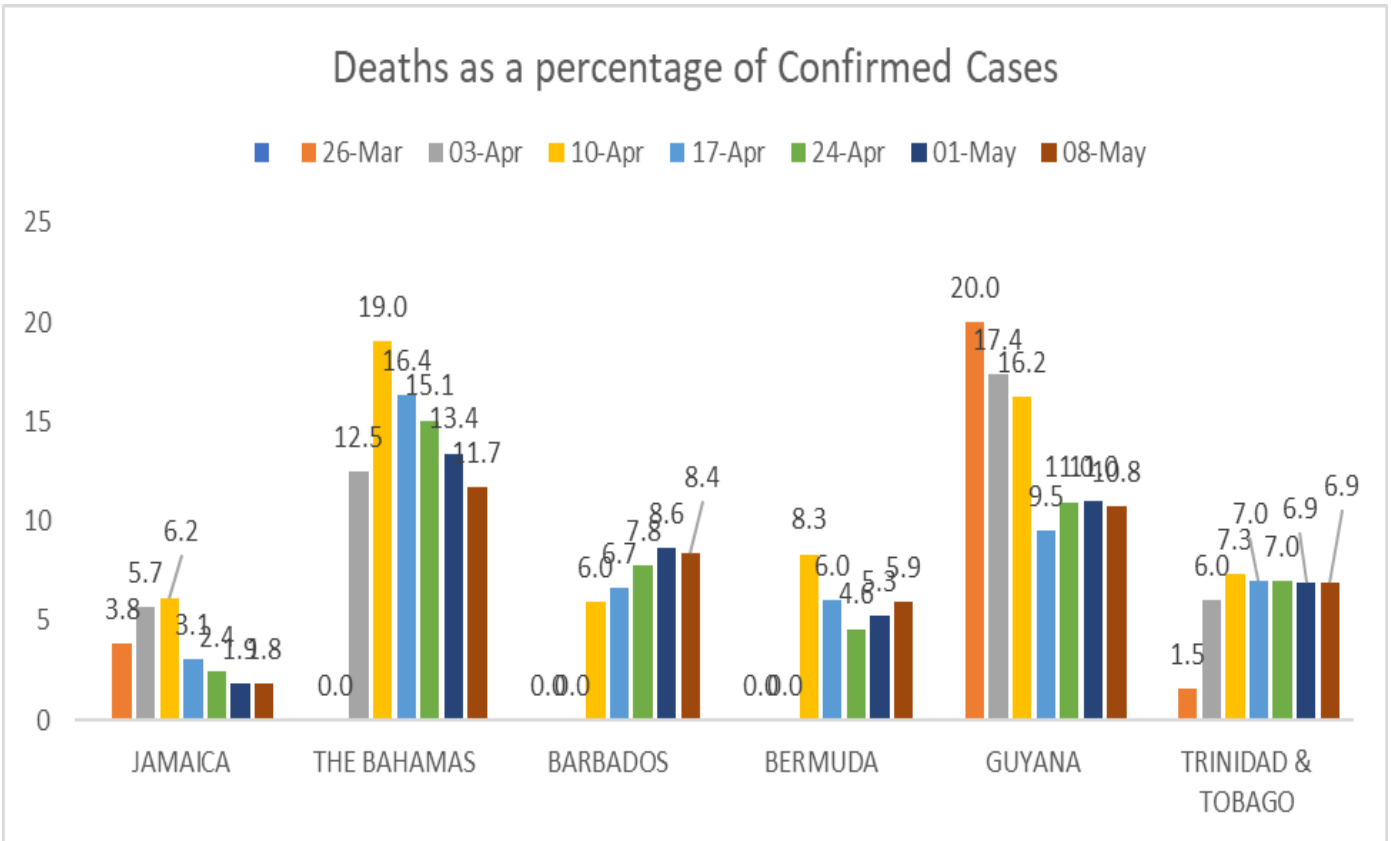
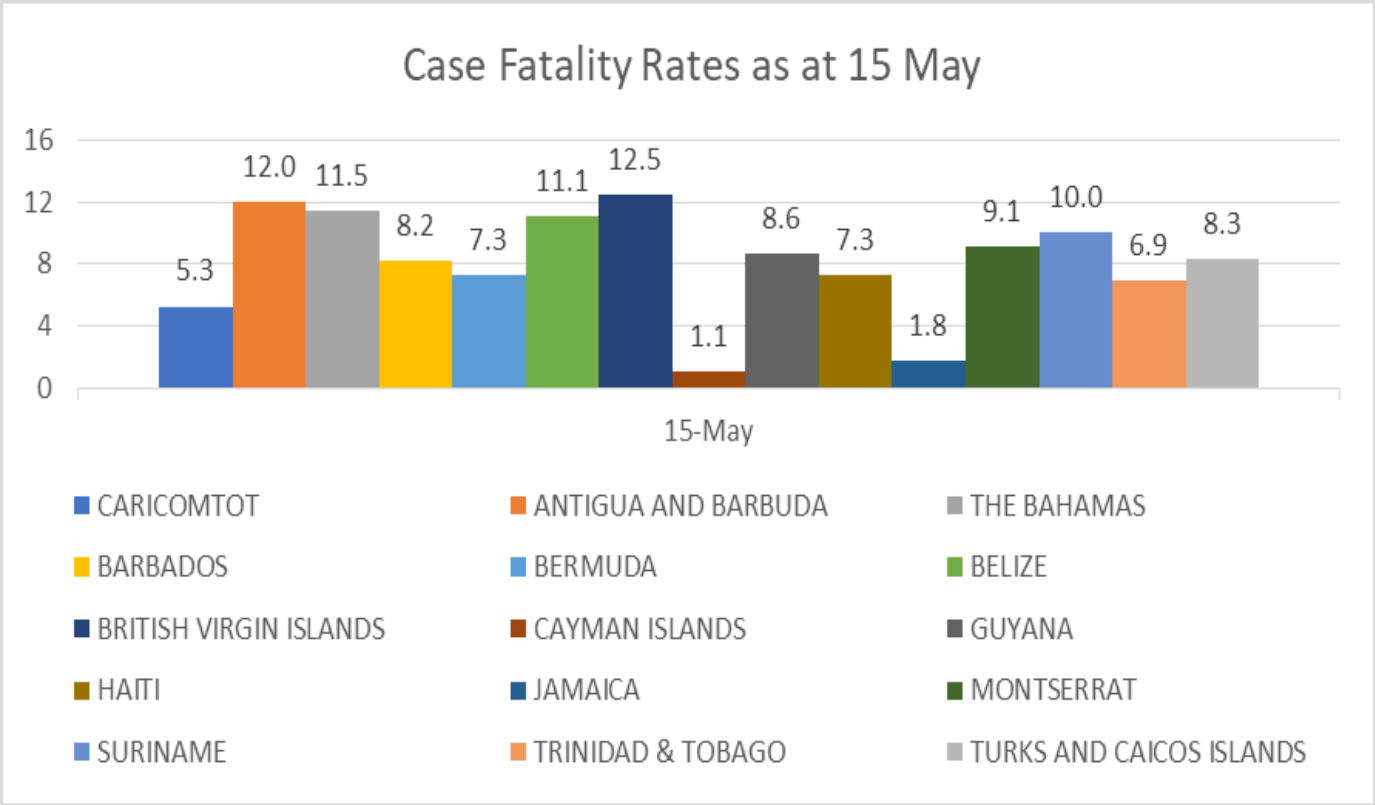
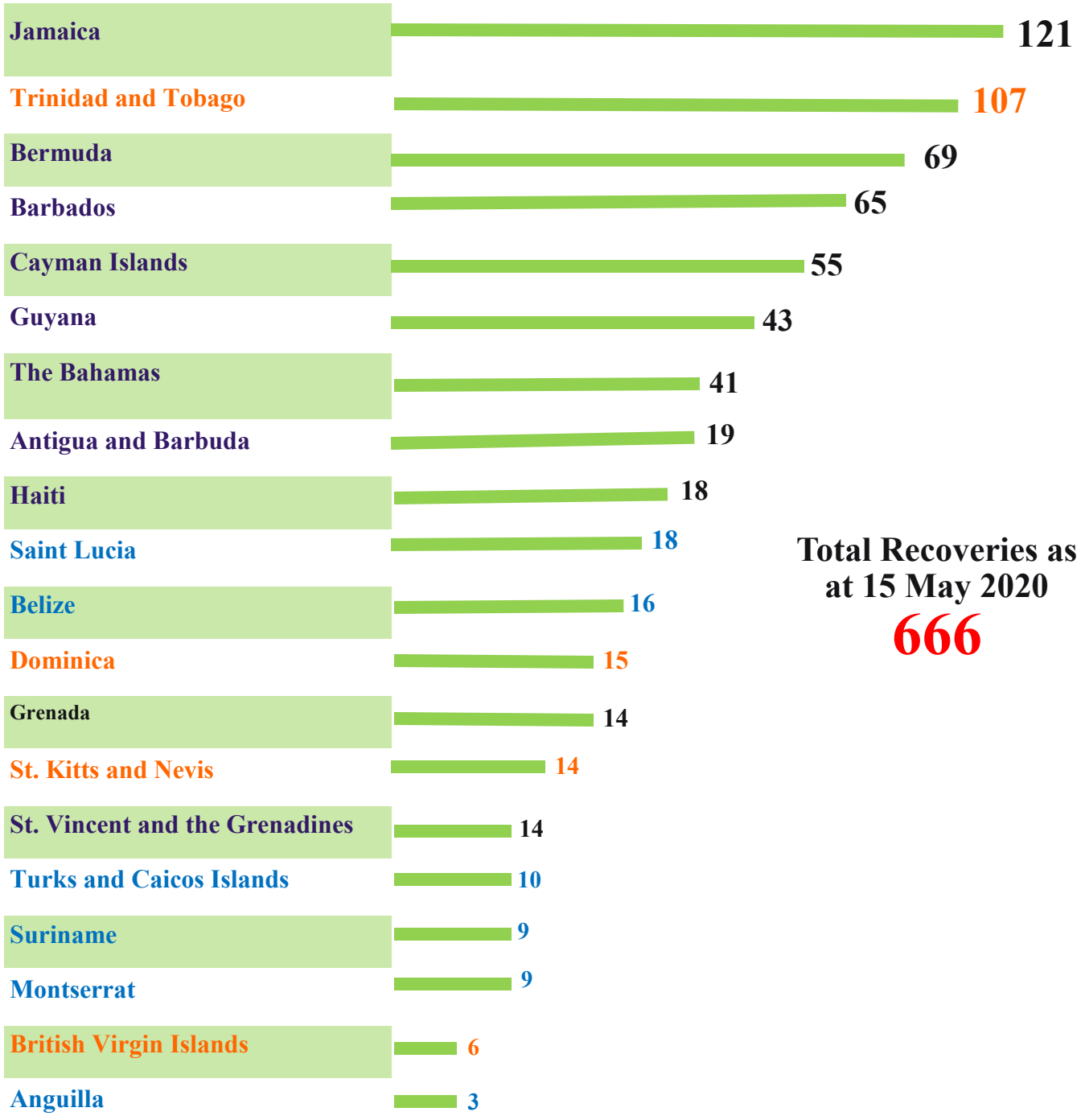


CHART 4B: CASE FATALITY RATES AS AT 15 MAY 2020



SUMMARY OF RECOVERED CASES AS AT 15 MAY 2020



Total Recoveries as at 15 May 2020

666

Blue- All Active Cases Recovered.
Orange– One Active Case remaining.

TABLE 4: ACTIVE CASES, RECOVERIES, NUMBER OF TESTS CONDUCTED AND HOSPITALISATIONS AS AT 15 MAY 2020

COUNTRY	CONFIRMED CASES	RECOVERIES	ACTIVE CASES	NO. OF TESTS	HOSPITALISATIONS
Jamaica	511	121	381	7946	33
Trinidad and Tobago	116	107	1	2597	1
Bermuda	123	69	45	4935	7
Barbados	85	65	13	3651	
Cayman Islands	94	55	38	5900	
Guyana	116	43	63	1065	
The Bahamas	96	41	44	1747	7
Antigua and Barbuda	25	19	3	183	
Haiti	273	18	235	1502	
Saint Lucia	18	18	0	727	
Belize	18	16	0	1217	
Dominica	16	15	1	420	
Grenada	22	14	7	454	
St Kitts and Nevis	15	14	1	388	0
St Vincent and the Grenadines	17	14	3	155	
Turks and Caicos Islands	12	10	0	113	
Suriname	10	9	0	404	
Montserrat	11	9	0	62	
British Virgin Islands	8	6	1	157	
Anguilla	3	3	0	0	

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

All active cases in Anguilla, Belize, Montserrat, Saint Lucia, Suriname and Turks and Caicos Islands have recovered. British Virgin Islands, Dominica, St Kitts and Nevis and Trinidad and Tobago are each at one active case. Trinidad and Tobago has 1 person hospitalised as was the case in the previous week.

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

18 APRIL - 15 MAY 2020

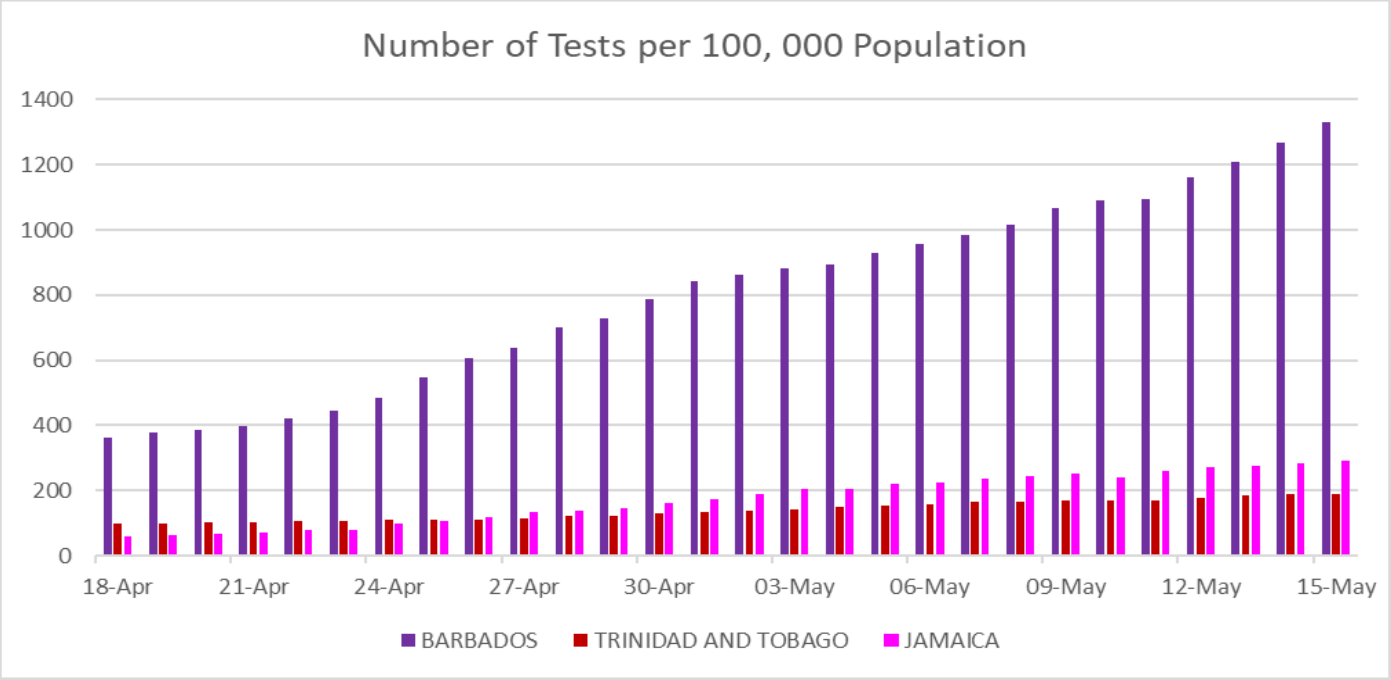


CHART 5A: NUMBER OF TESTS PER 100, 000 POPULATION– CAYMAN ISLANDS

27 APRIL—15 MAY 2020

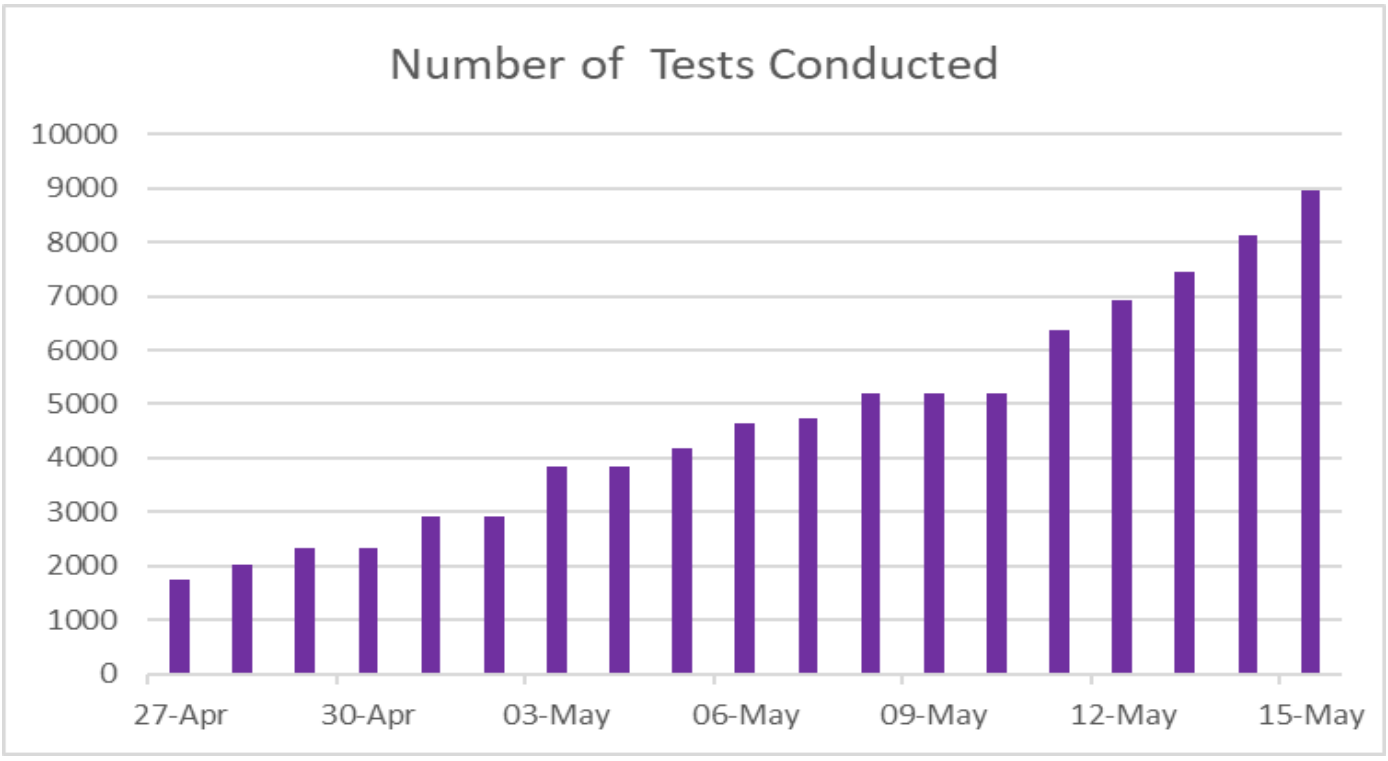


CHART 5B: NUMBER OF RECOVERIES - BARBADOS

18 APRIL - 15 MAY 2020

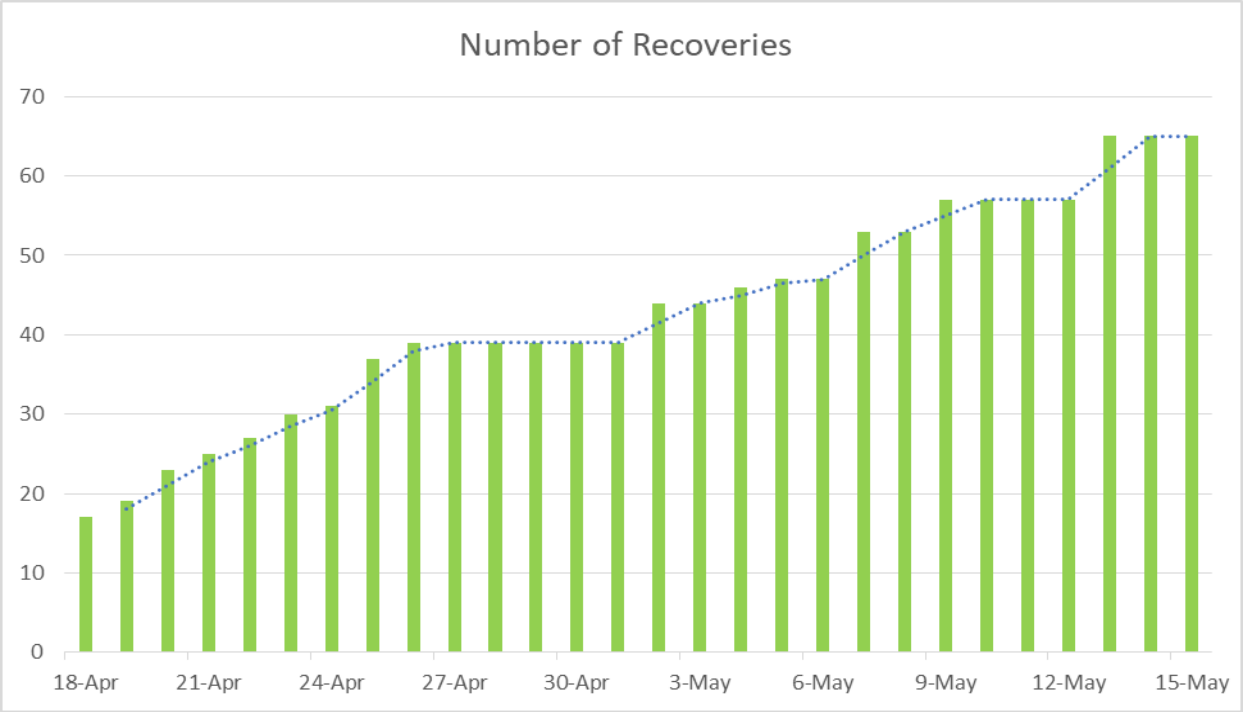


CHART 5C: NUMBER OF ACTIVE CASES - BARBADOS

18 APRIL - 15 MAY 2020

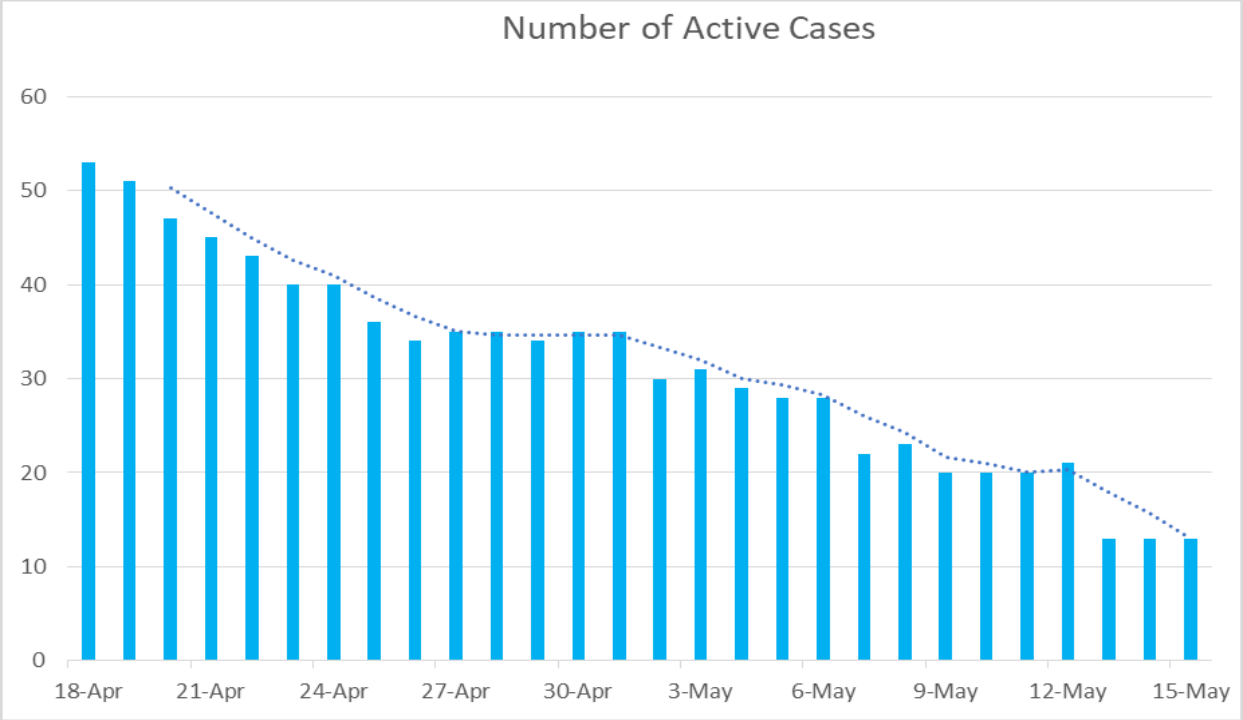


CHART 5D: NUMBER OF TESTS CONDUCTED - BARBADOS

18 APRIL - 15 MAY 2020

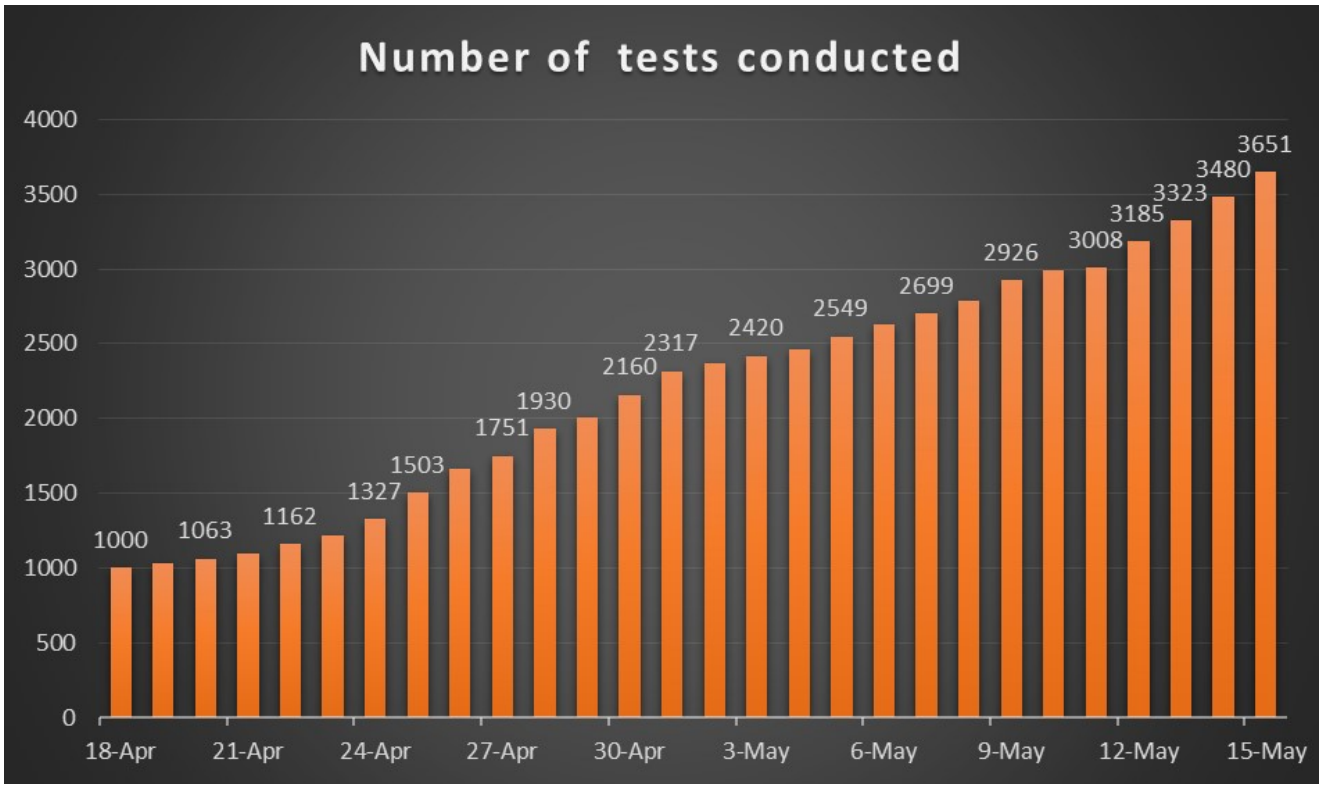


CHART 5E: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - BARBADOS

18 APRIL - 15 MAY 2020

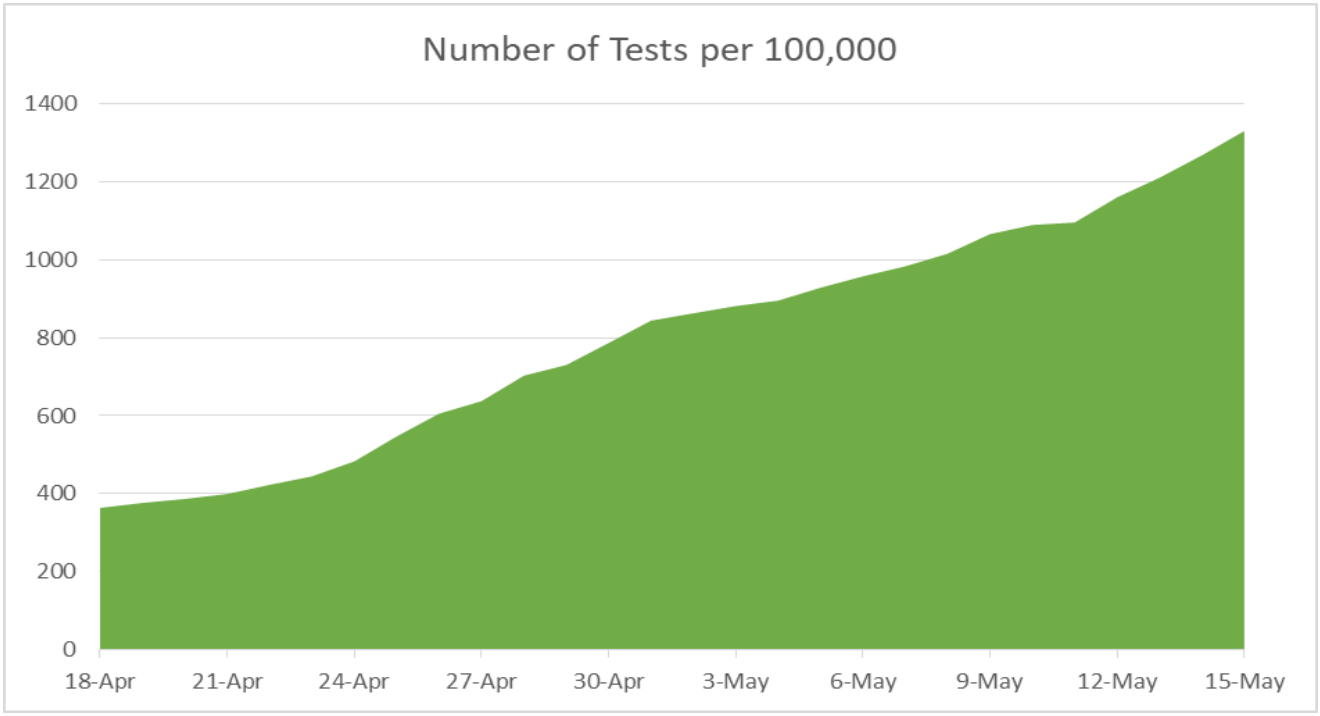


CHART 5F: NUMBER OF RECOVERIES - JAMAICA
18 APRIL– 15 MAY 2020

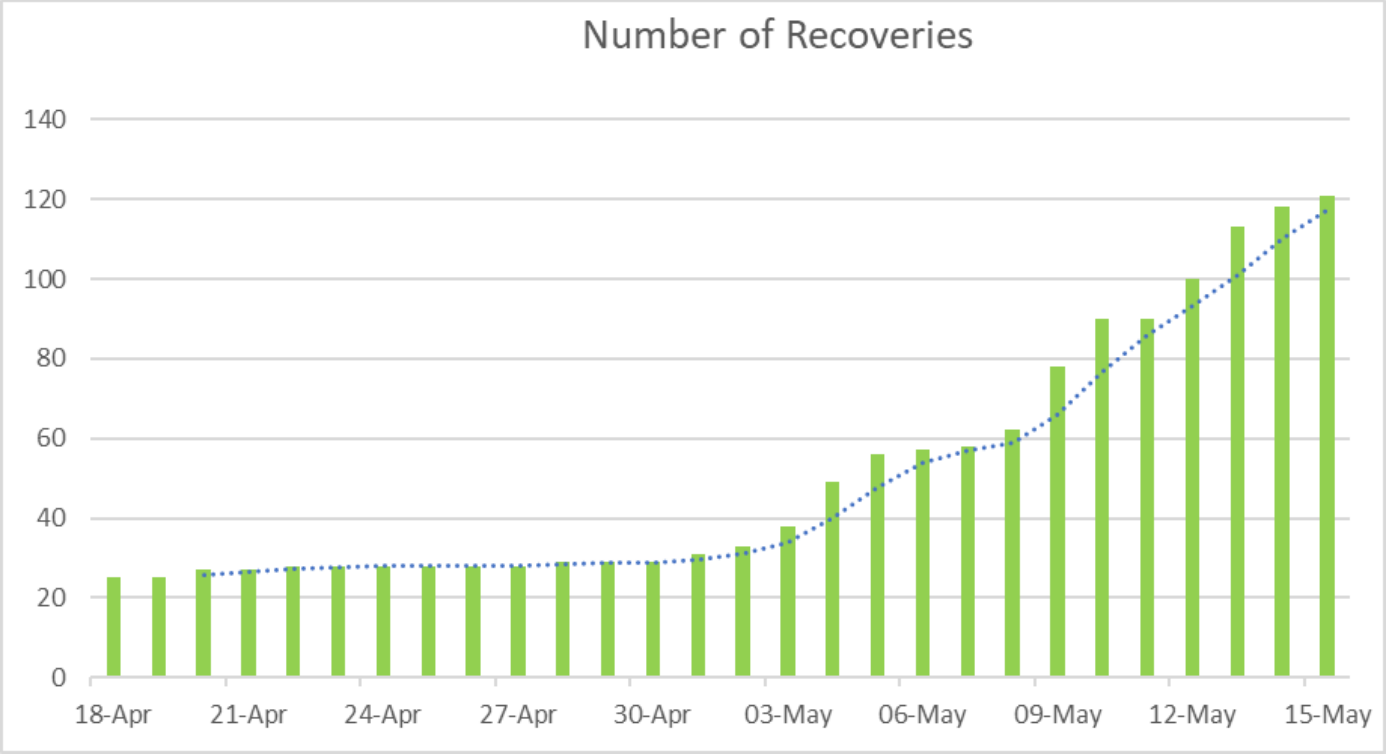


CHART 5G: NUMBER OF ACTIVE CASES - JAMAICA
18 APRIL - 15 MAY 2020

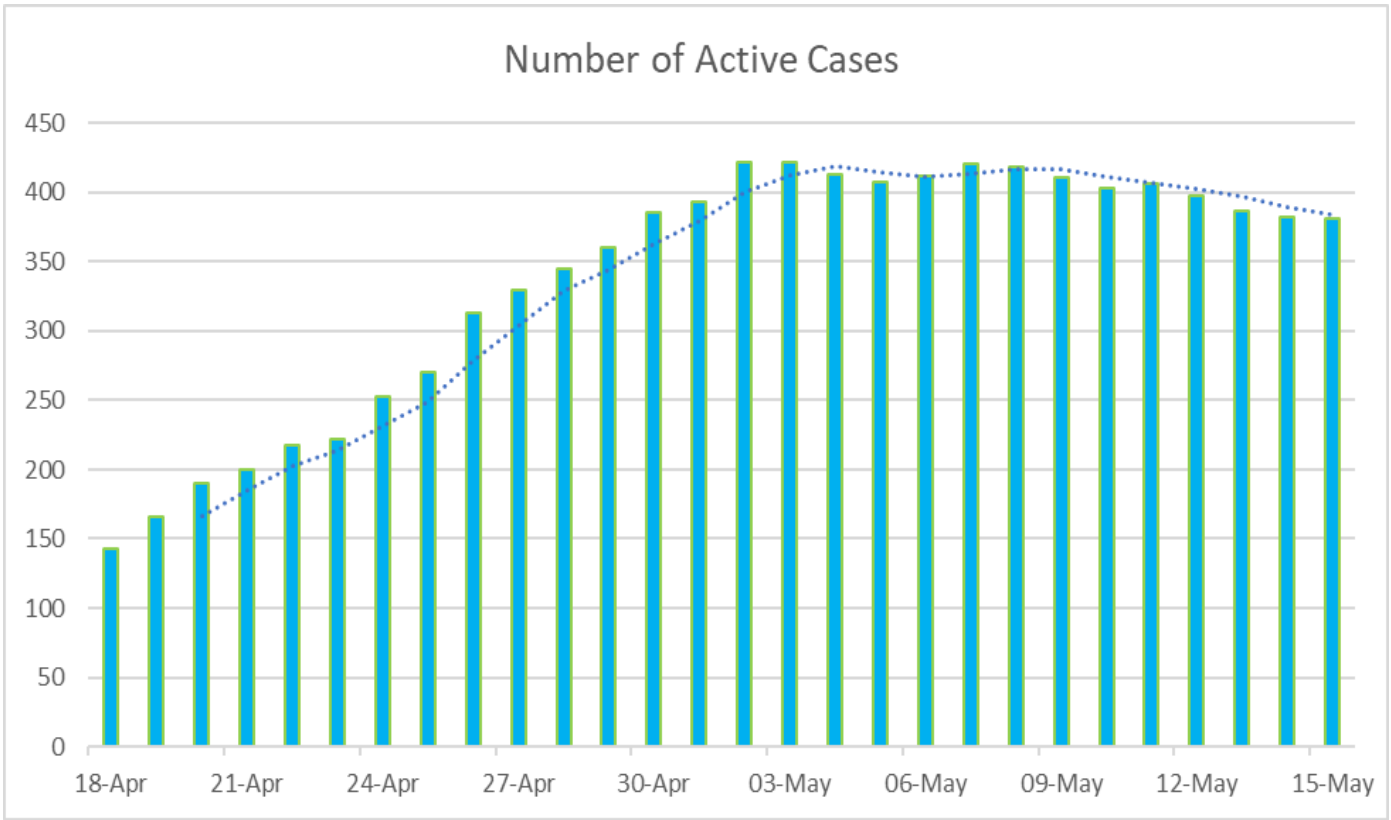


CHART 5H: NUMBER OF TESTS CONDUCTED - JAMAICA

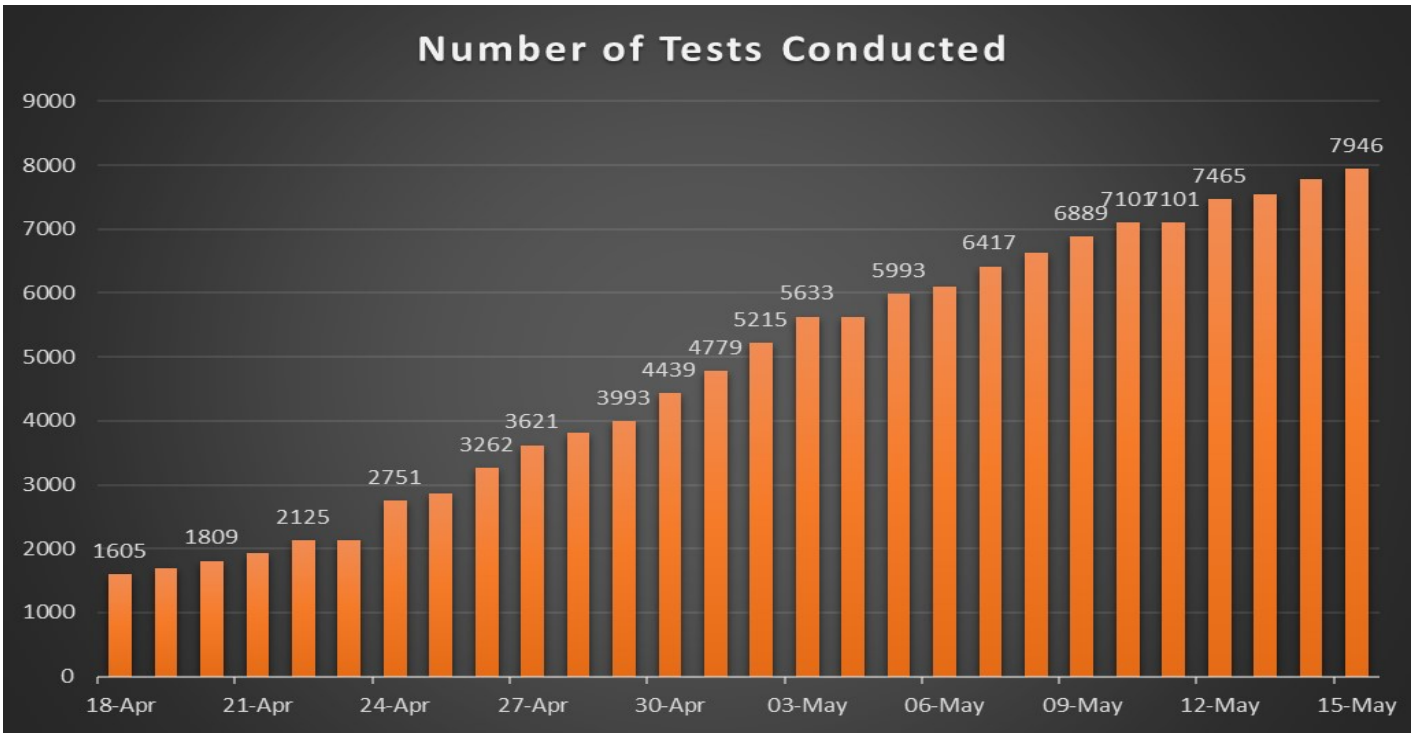


CHART 5I: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - JAMAICA

18 APRIL - 15 MAY 2020

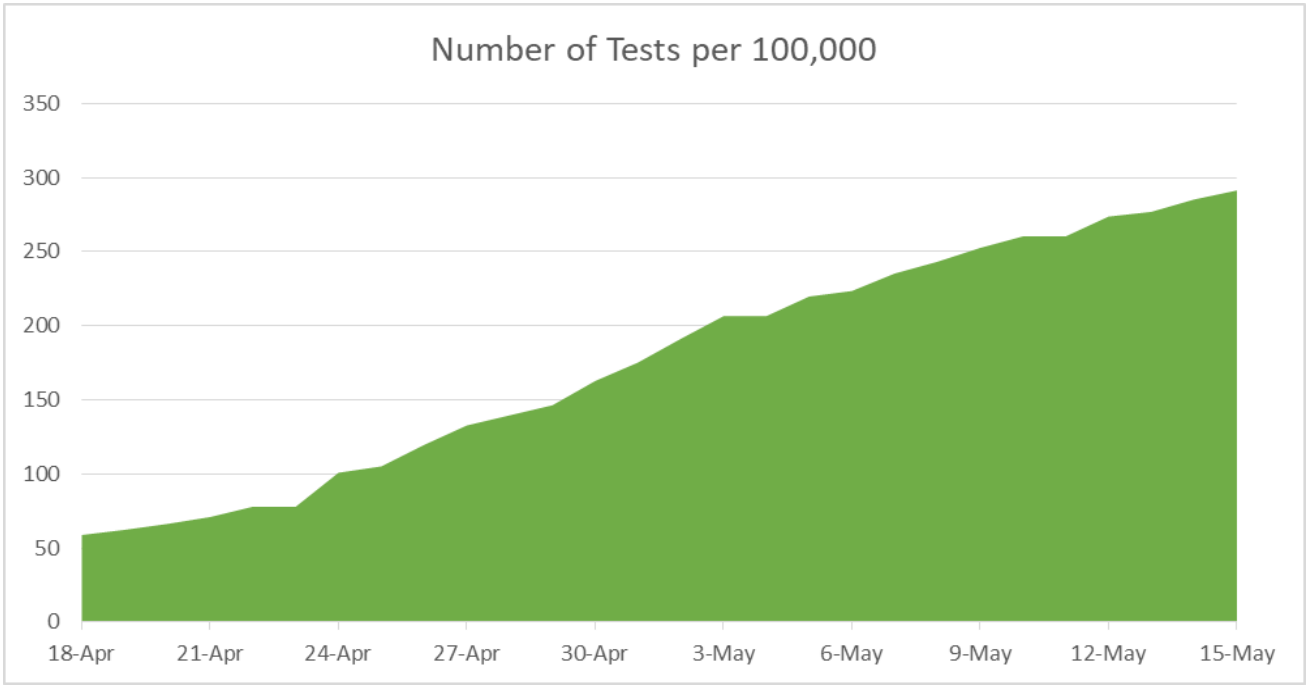


CHART 5J: NUMBER OF RECOVERIES - TRINIDAD AND TOBAGO
18 APRIL - 15 MAY 2020

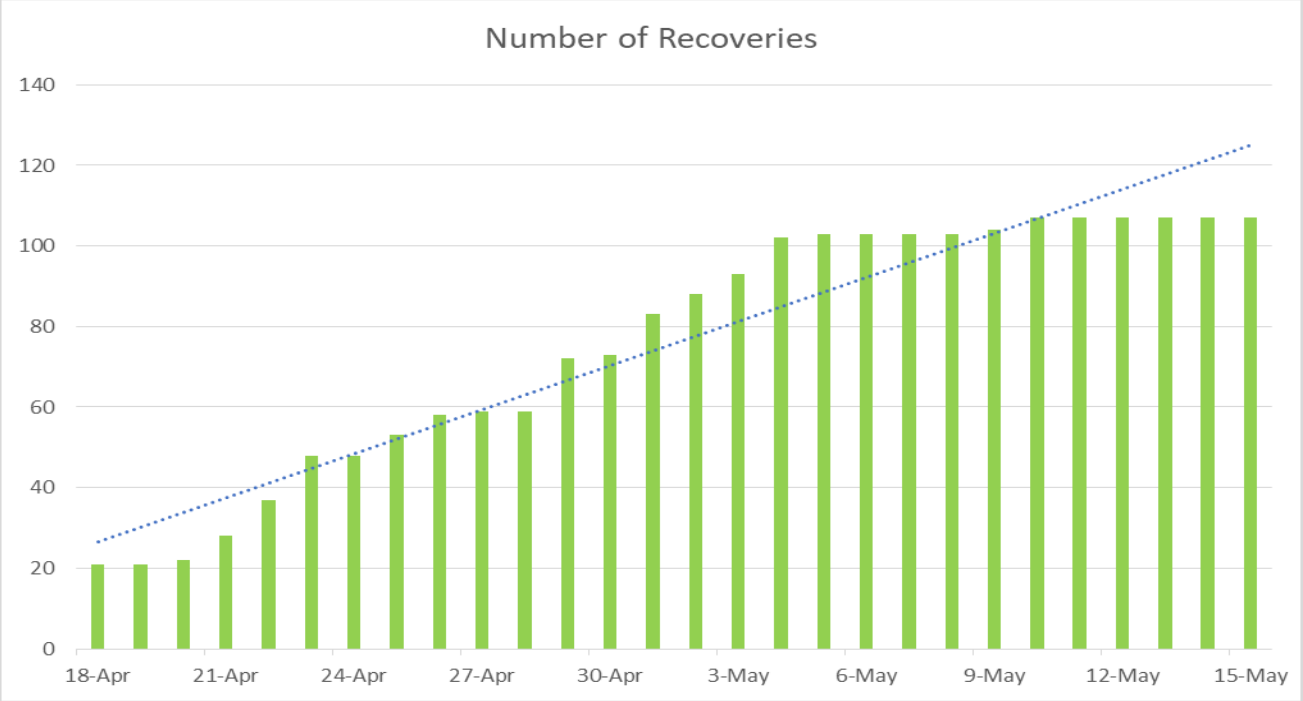


CHART 5K: NUMBER OF ACTIVE CASES- TRINIDAD AND TOBAGO
18 APRIL - 15 MAY 2020

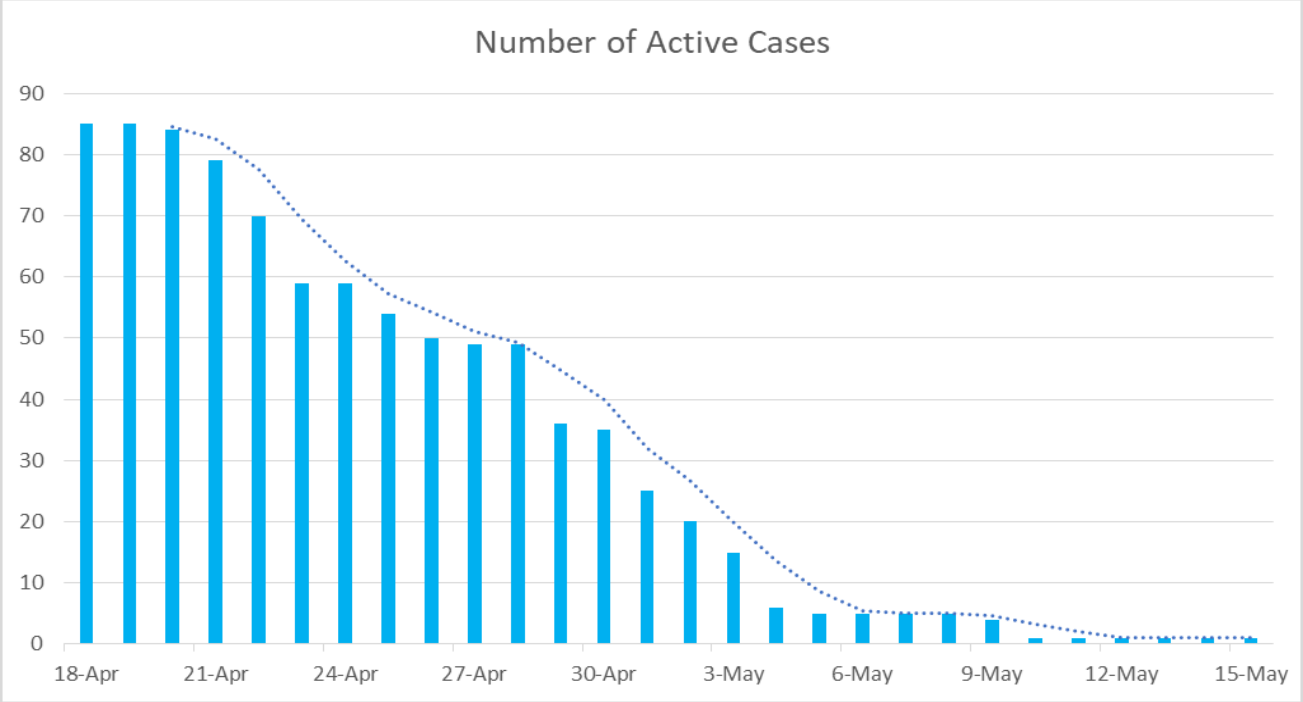


CHART 5L: NUMBER OF TESTS CONDUCTED - TRINIDAD AND TOBAGO
18 APRIL - 15 MAY 2020

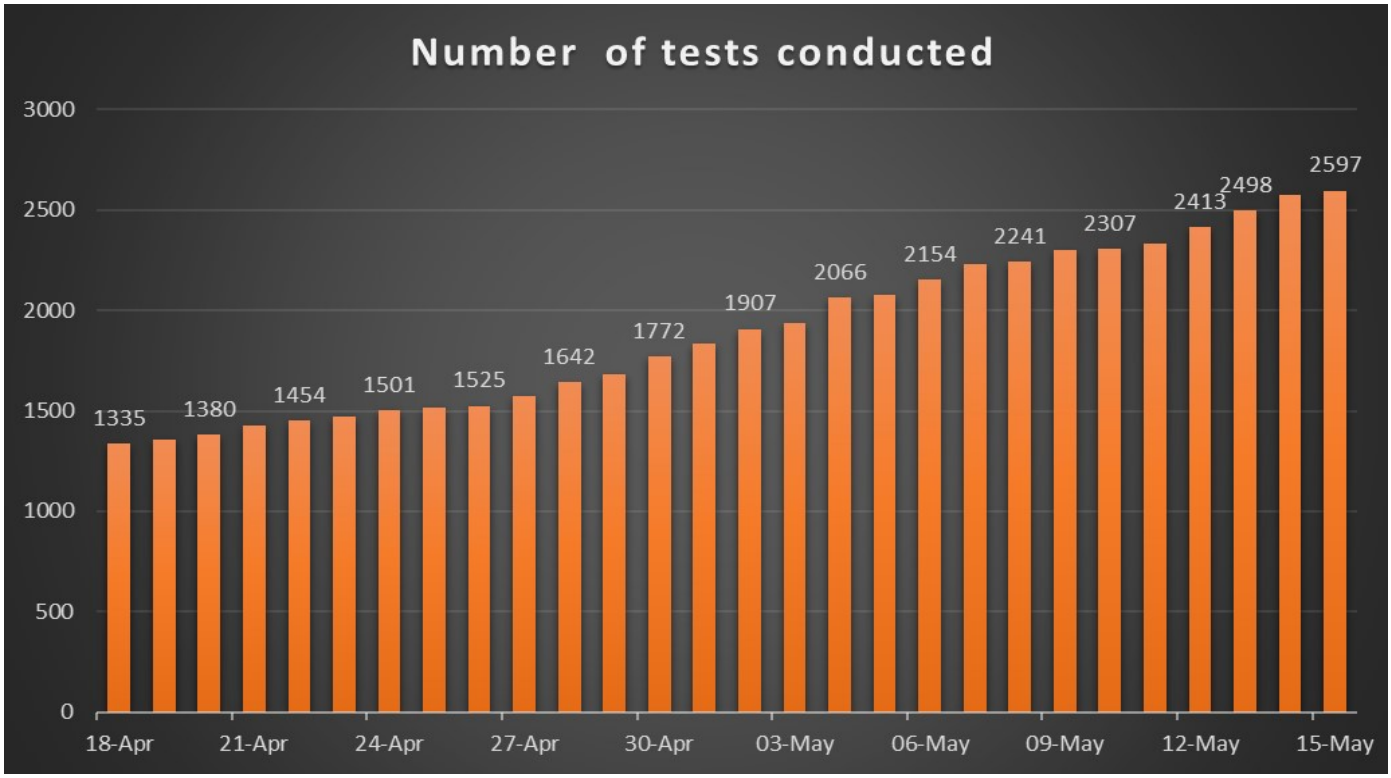


CHART 5M: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - TRINIDAD AND TOBAGO

18 APRIL - 15 MAY 2020

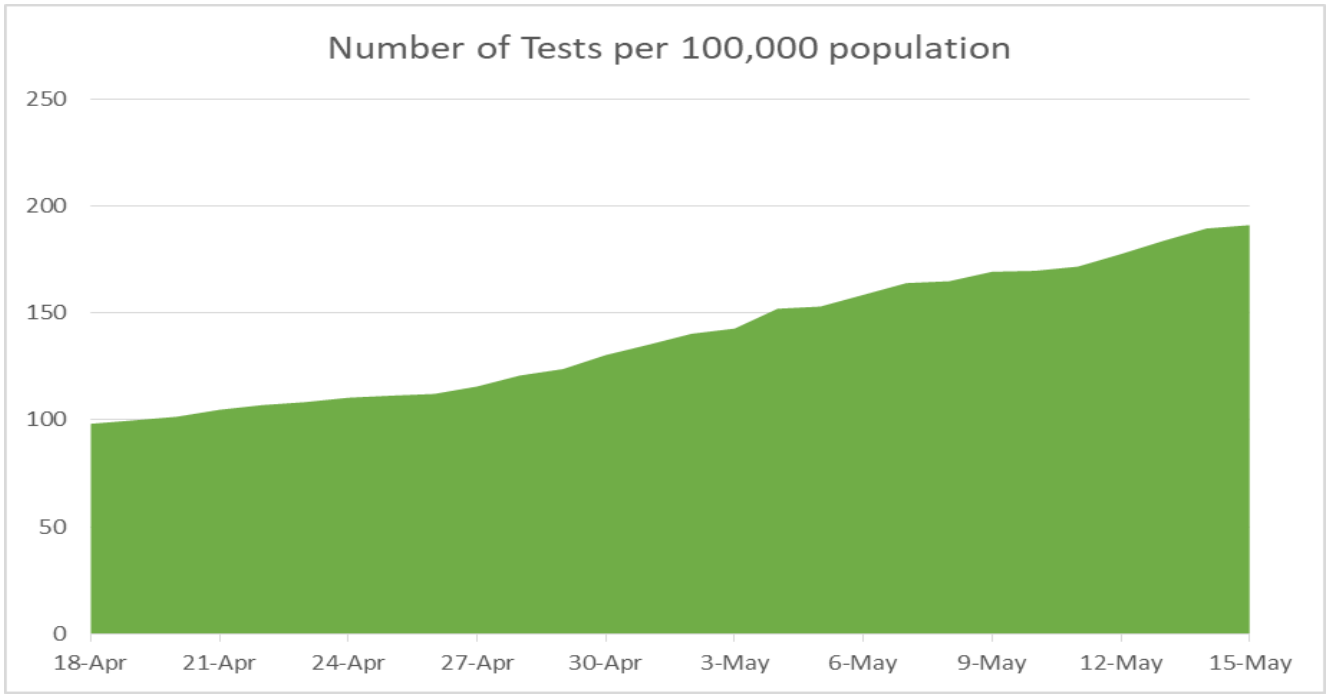


CHART 5N: NUMBER OF RECOVERIES - BERMUDA
18 APRIL - 15 MAY 2020

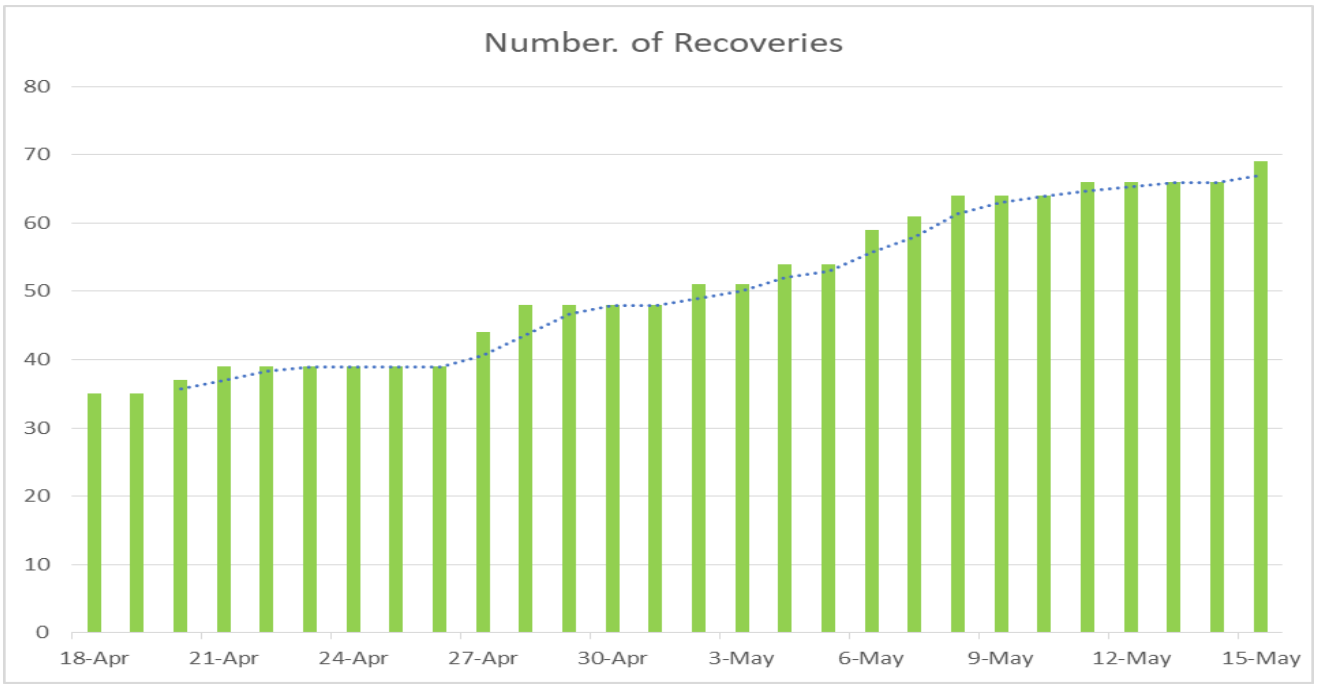


CHART 5O: NUMBER OF ACTIVE CASES - BERMUDA
18 APRIL - 15 MAY 2020

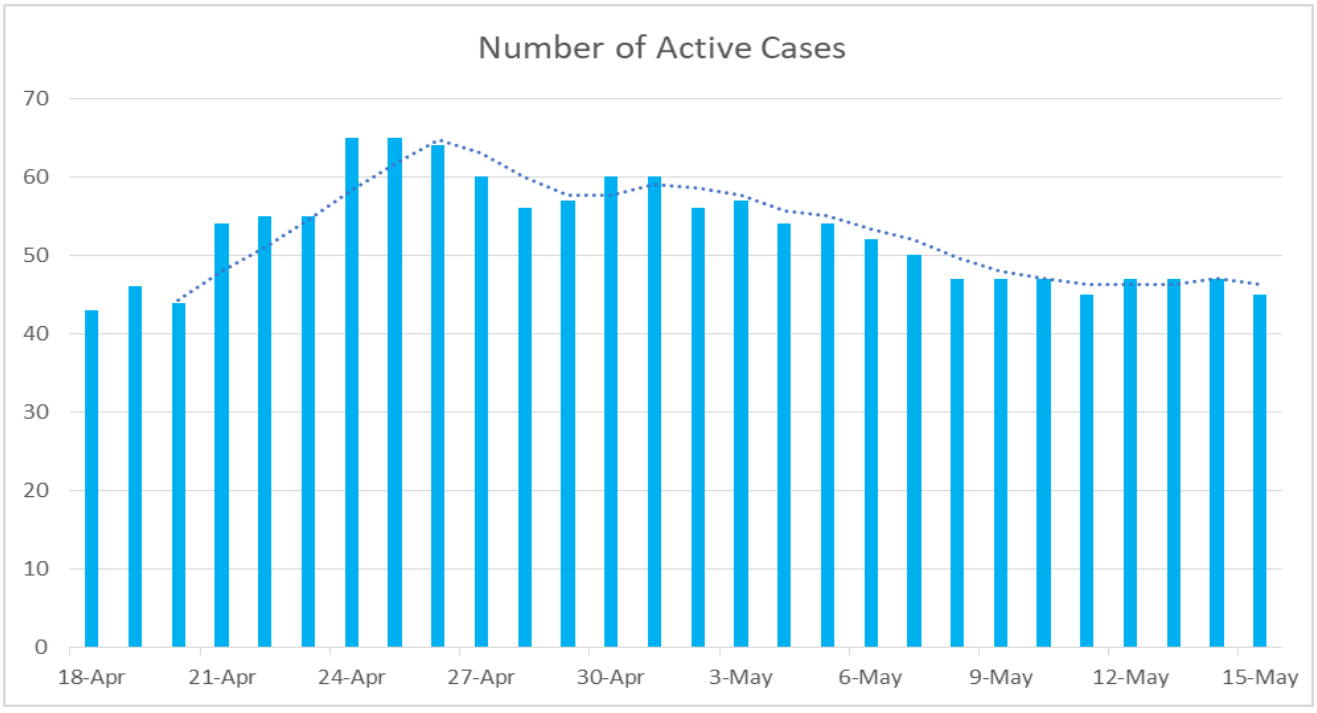


CHART 5P: NUMBER OF TESTS CONDUCTED - BERMUDA
18 APRIL - 15 MAY 2020

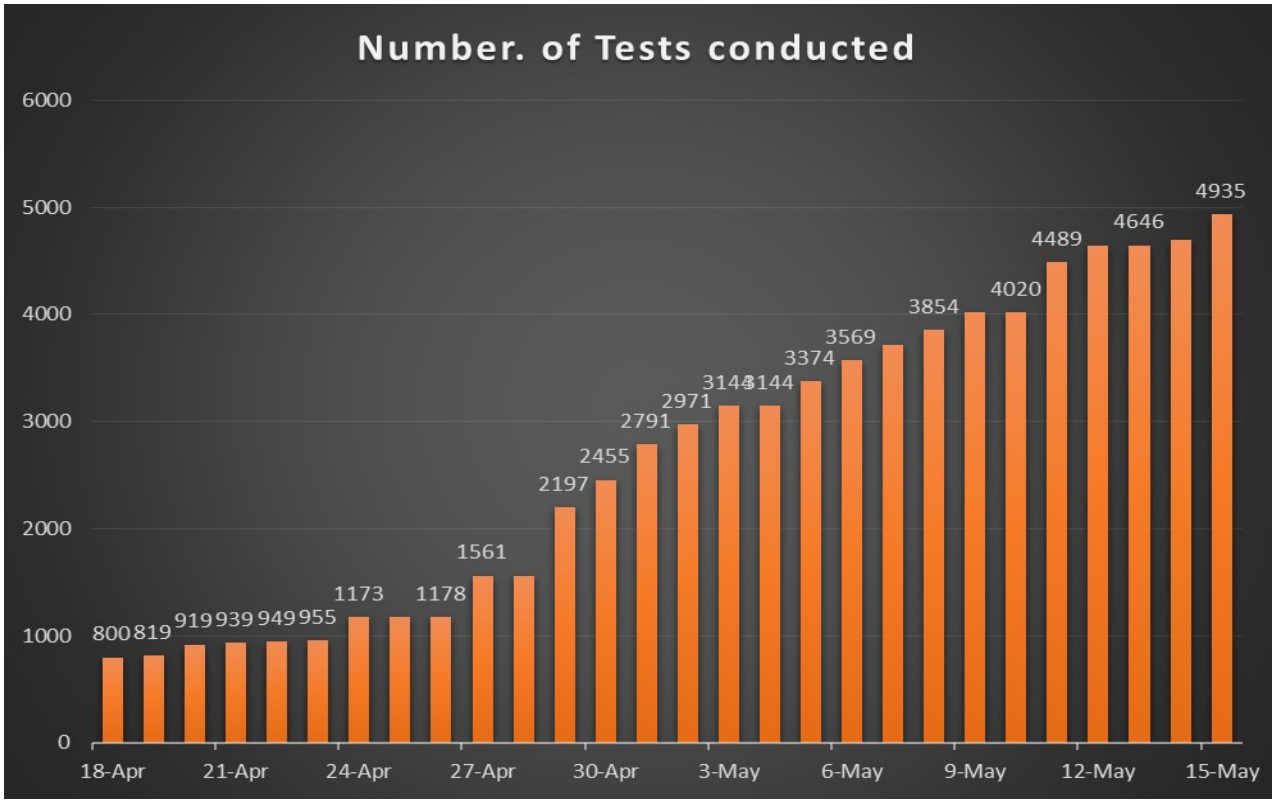


CHART 5Q: NUMBER OF TESTS CONDUCTED PER 100, 000 POPULATION - BERMUDA

18 APRIL - 15 MAY 2020

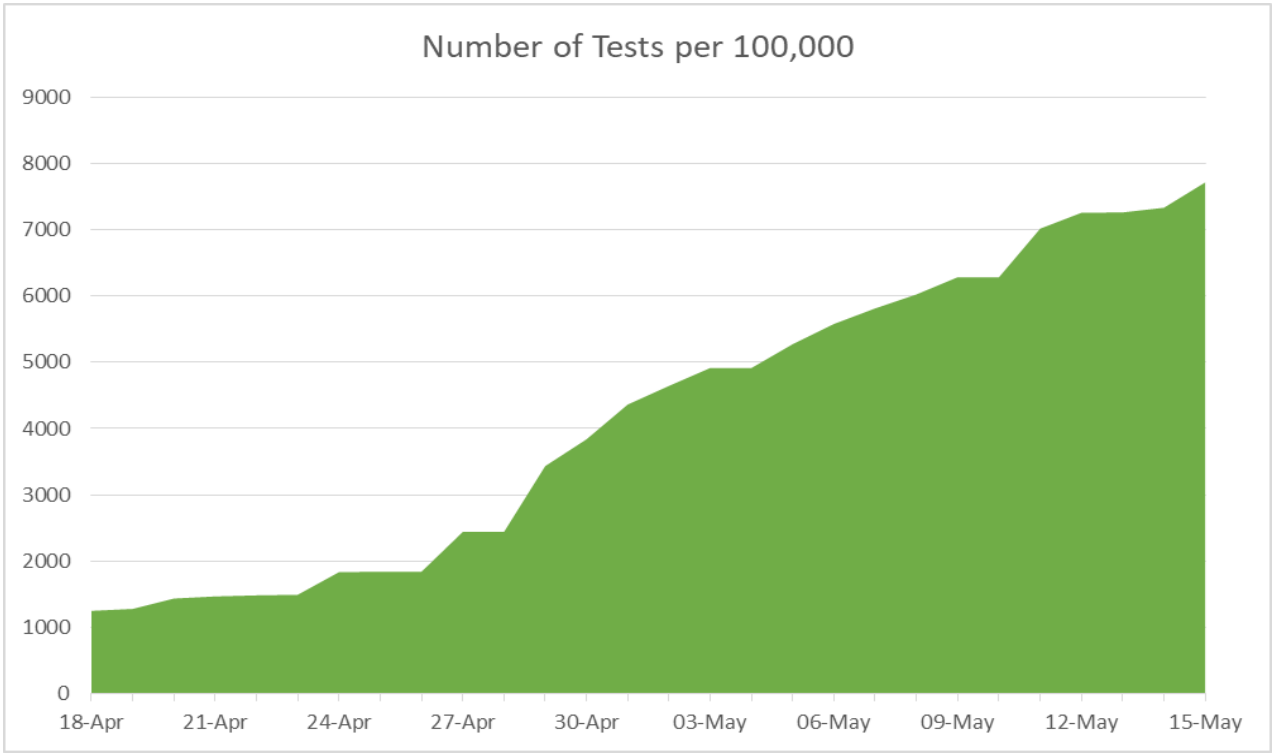


Table 5: NUMBER OF TESTS AND RATE PER 100,000 POPULATION – SELECTED COUNTRIES AS AT 15 MAY 2020

COUNTRY	NO. OF TESTS	NO. OF TESTS PER 100,000
Cayman Islands	5900	8964.8
Bermuda	4935	7714.2
Barbados	3651	1329.4
Montserrat	62	1240.0
St Kitts and Nevis	388	732.1
Dominica	420	583.3
British Virgin Islands	157	538.6
The Bahamas	1747	458.1
Grenada	454	407.3
Saint Lucia	727	406.1
Belize	1217	305.7
Jamaica	7946	291.3
Turks and Caicos Islands	113	273.6
Antigua and Barbuda	183	192.6
Trinidad and Tobago	2597	191.1
Guyana	1065	143.7
St Vincent and the Grenadines	155	139.6
Suriname	404	69.3
Haiti	1502	13.2
Anguilla	-	-

Note: The Table is in descending order of the number of tests per 100,000 population. The top five countries based on rate 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.

TABLE 6: APPROXIMATE MODE OF TRANSMISSION - SELECTED COUNTRIES AS AT 15 MAY 2020

Country	Imported Transmission 	Local Transmission 	Community Transmission 	Under Investigation 
Trinidad and Tobago	84	24	1	7
Guyana	4	112	0	0
Bermuda	39	72	7	5
Jamaica	41	420	24	26

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 225 cases in this category are linked to the workplace cluster in St Catherine. **Please see Issue 2 for explanations on Mode of Transmission**

TABLE 7: CONFIRMED CASES BY SEX - SELECTED COUNTRIES AS AT 15 MAY 2020

Country			Not Stated
Jamaica	204	307	
Barbados	41	44	
Trinidad and Tobago	46	63	7
Bermuda	52	71	
Haiti	162	111	
Belize	9	9	

CHART 6: ANTIGUA AND BARBUDA

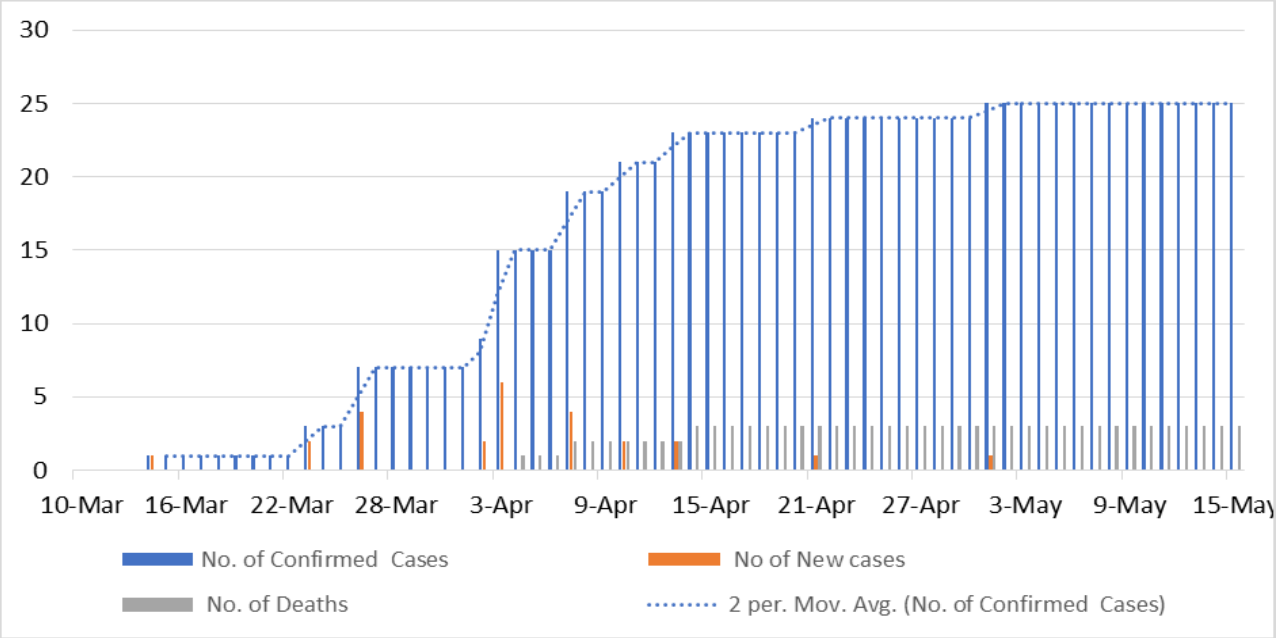
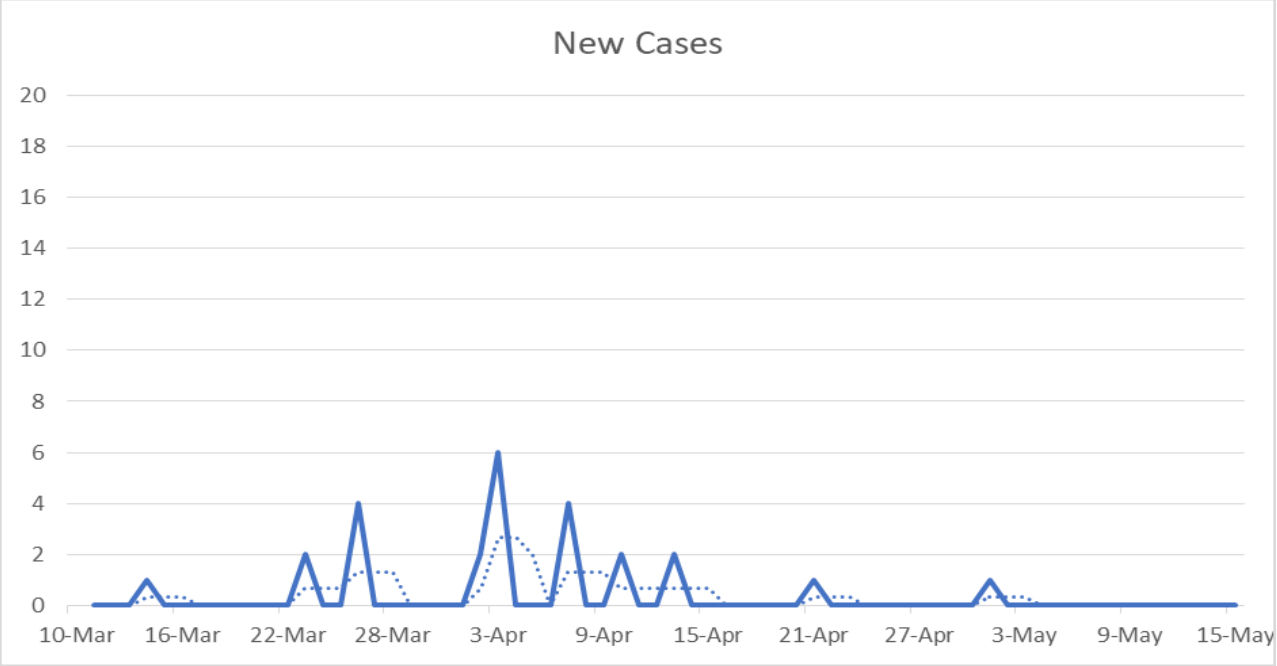


CHART 6A: ANTIGUA AND BARBUDA



From **1– 15 May there was only 1 new case** of COVID-19 for Antigua and Barbuda. There were no new cases since 1 **May, a period of 14 days** (to 15 May).

CHART 7: THE BAHAMAS

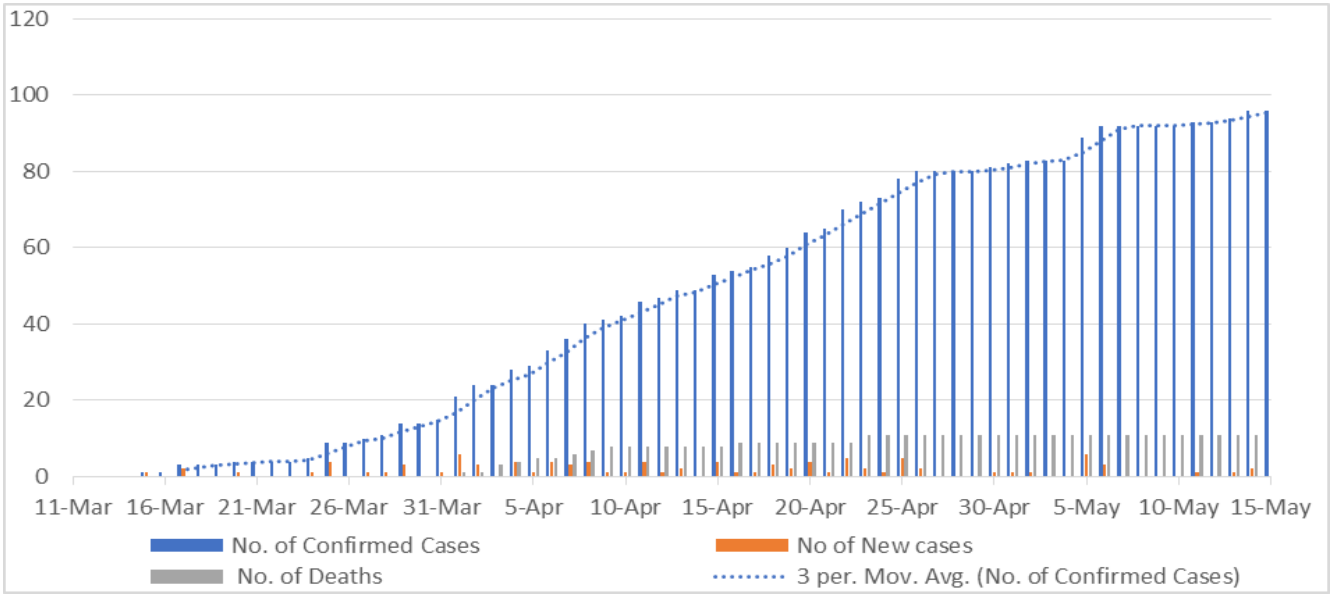
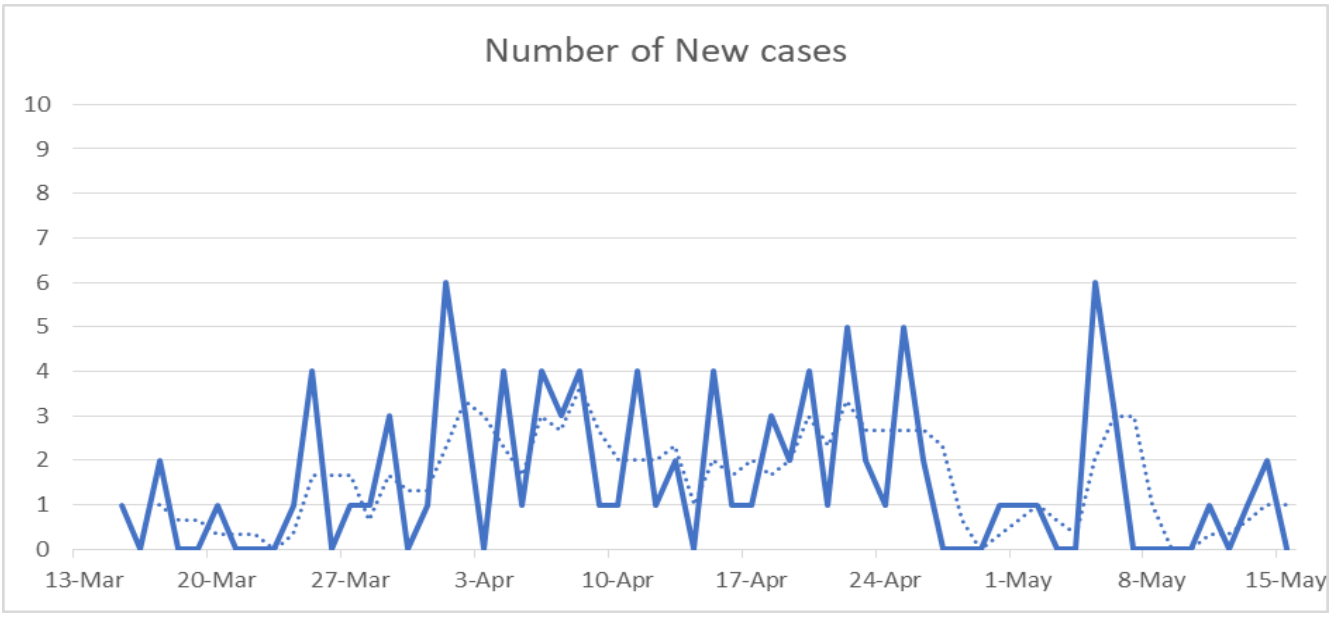


CHART 7A: THE BAHAMAS



There were **15 new** cases in The Bahamas from **1-15 May**, a period of 14 days. For the period **9-15** May there were **4 new cases**.

CHART 8: BARBADOS

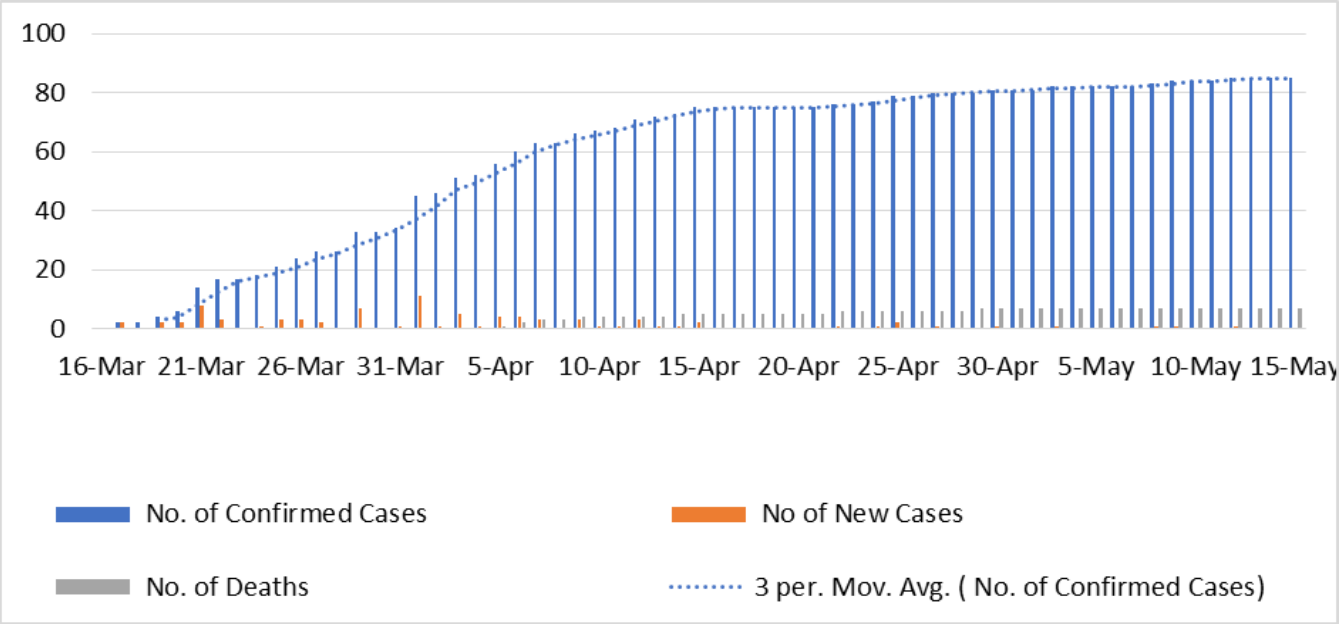
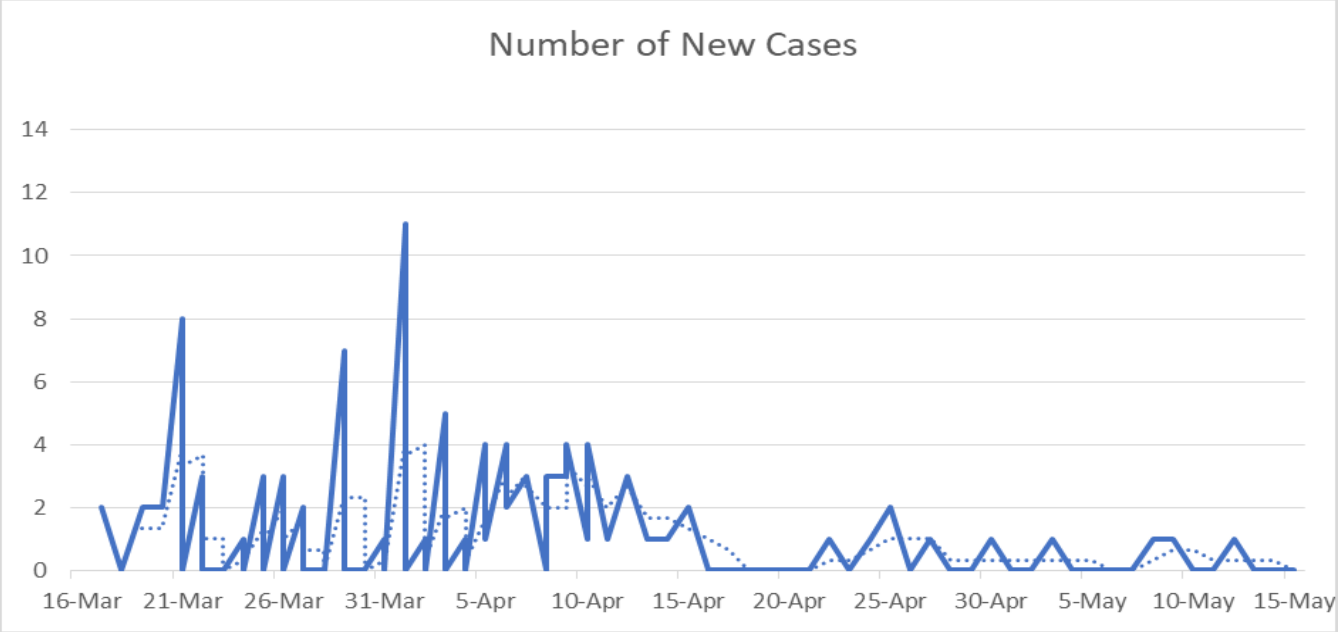


CHART 8A: BARBADOS



From **1-15 May** there were **4 new cases** of COVID-19 in Barbados. For the period **9-15 May** there were **2 new cases**.

CHART 9: BELIZE

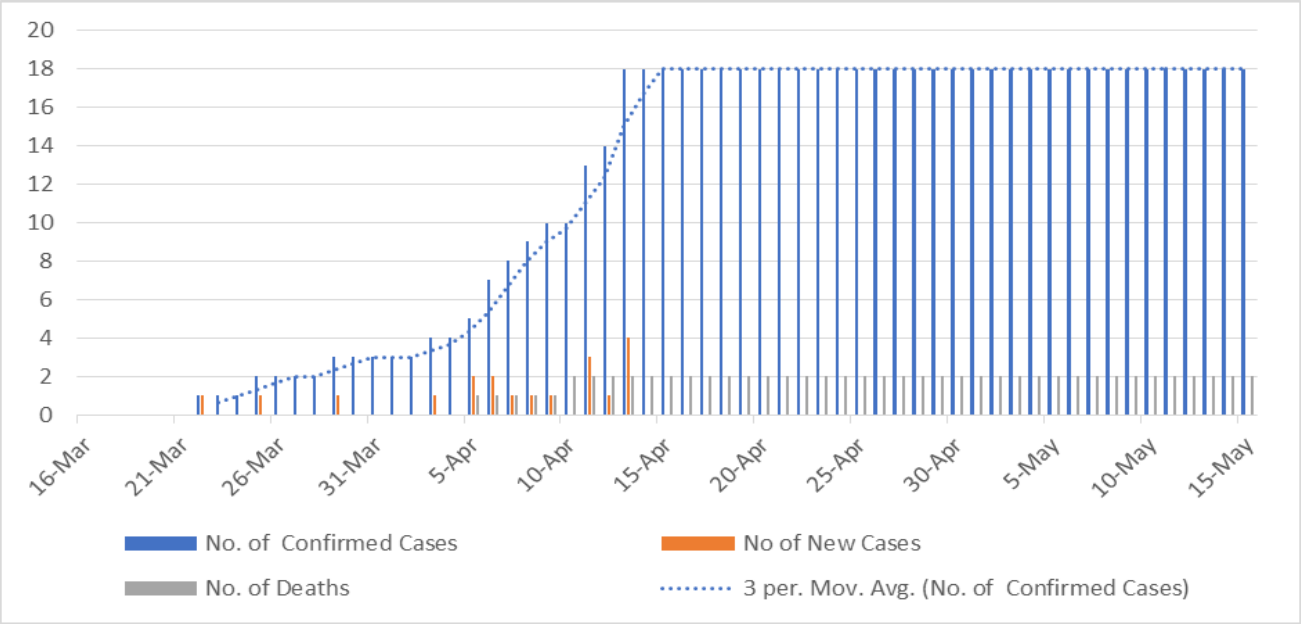
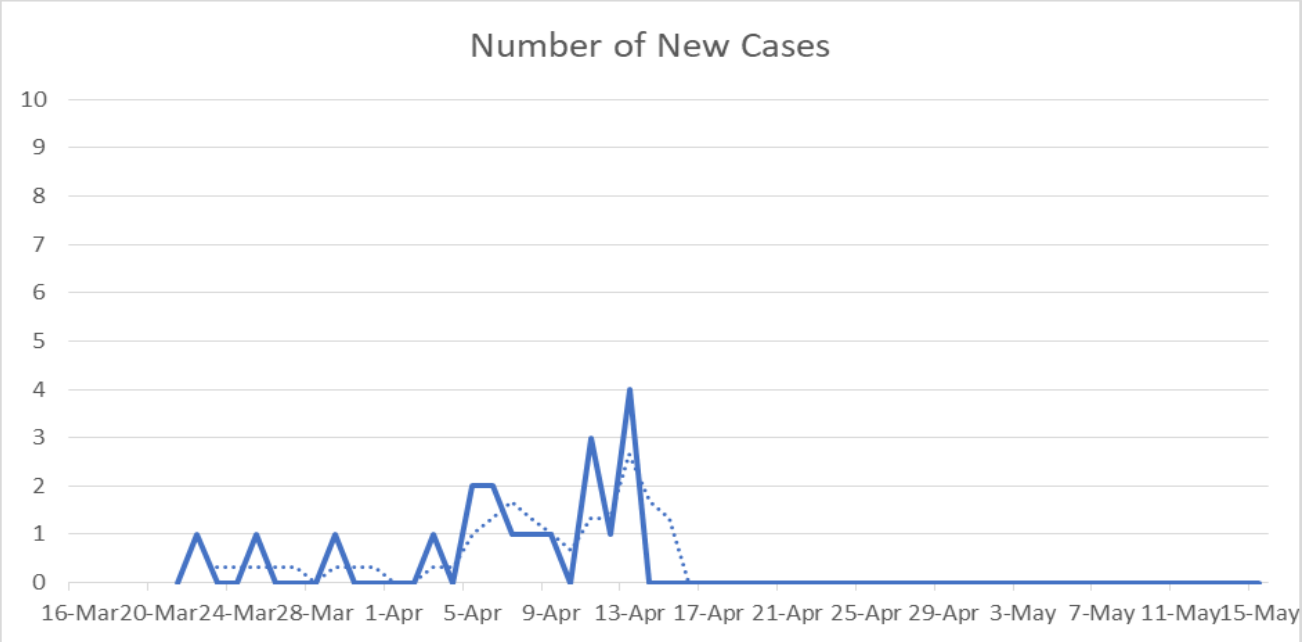


CHART 9A: BELIZE



There were **no new cases** reported by Belize since **April 13**, a period of **32 days up to 15 May**.

CHART 10: DOMINICA

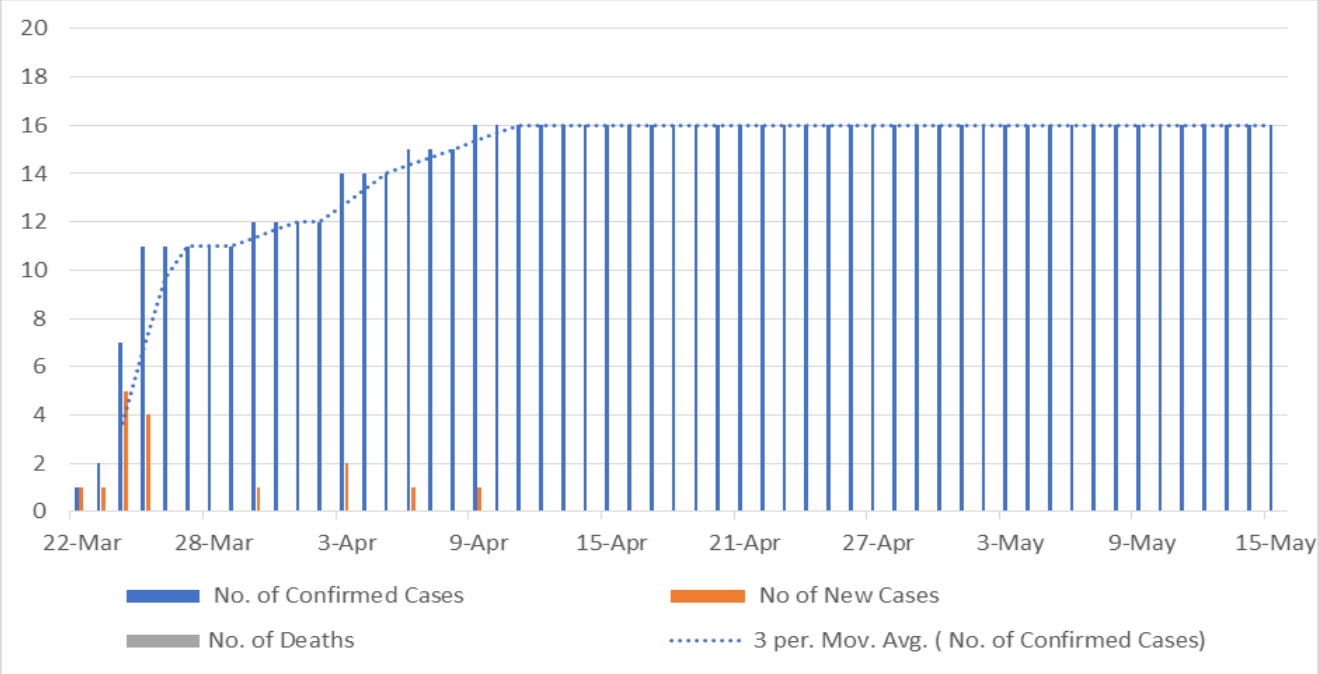
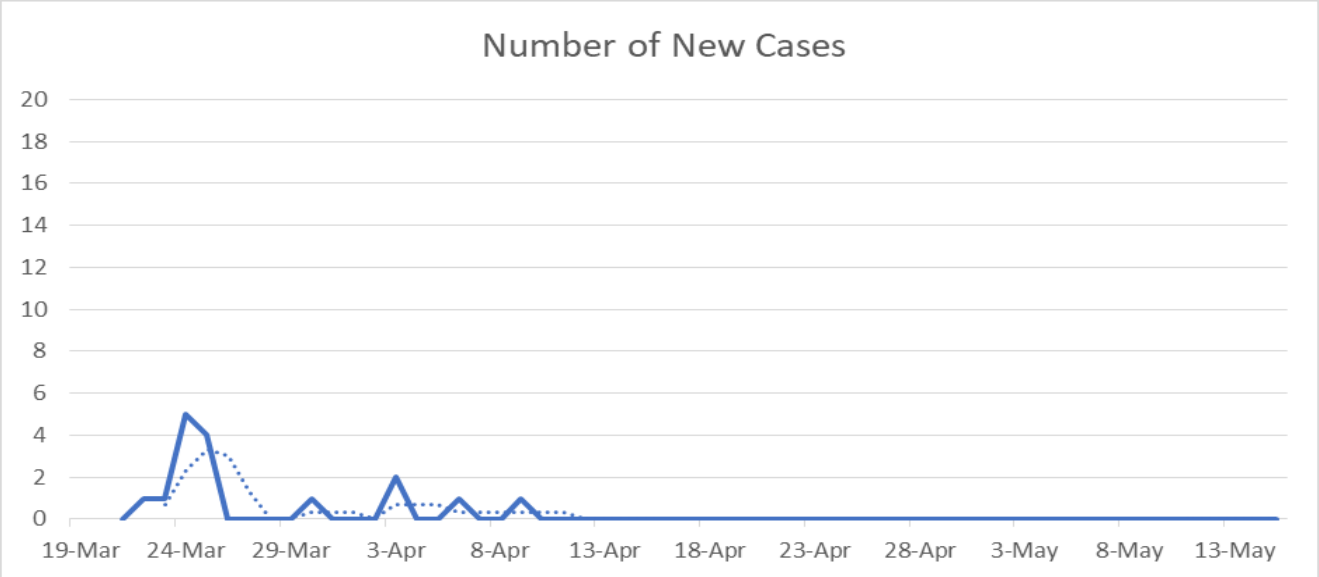


CHART 10A: DOMINICA



There were **no new cases** in Dominica since **10 April**, a period of **35 days** up to 15 May.

CHART 11: GRENADA

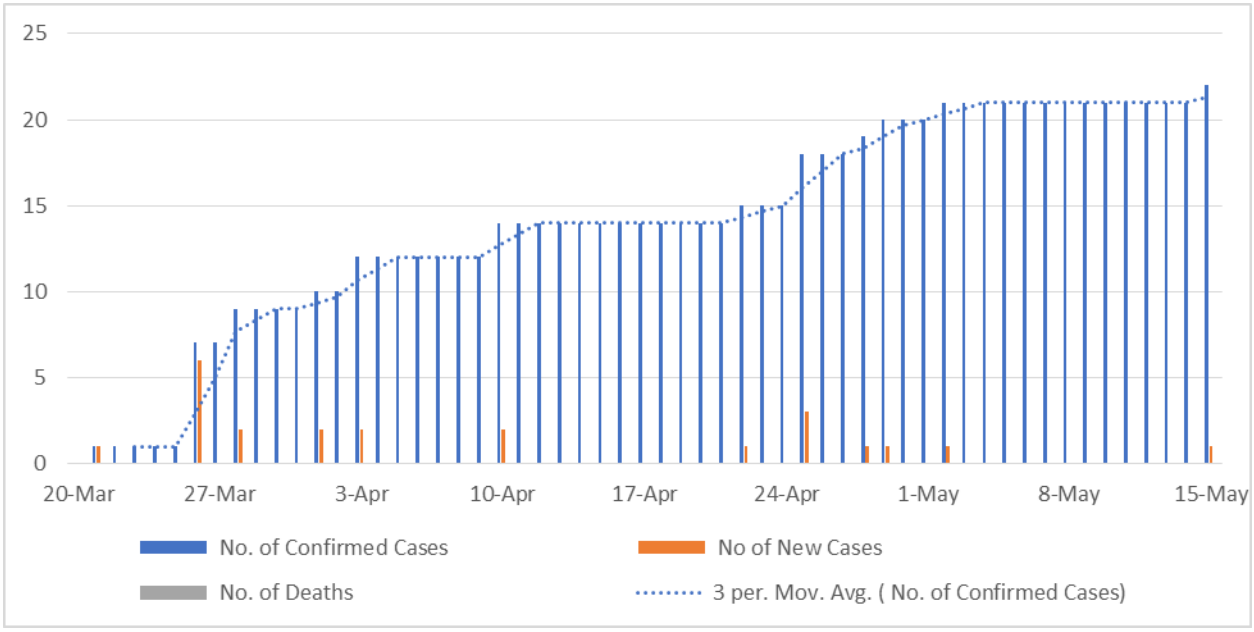
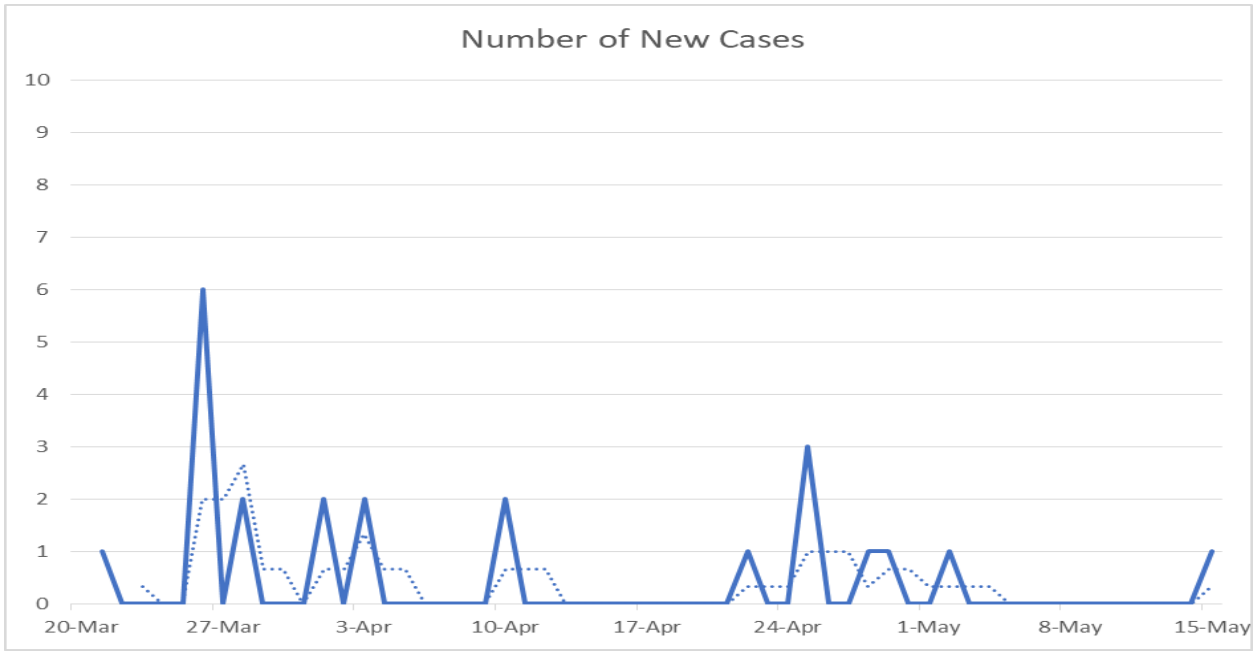


CHART 11A: GRENADA



There were **2 new cases** in Grenada from **1-15 May**.

CHART 12: GUYANA

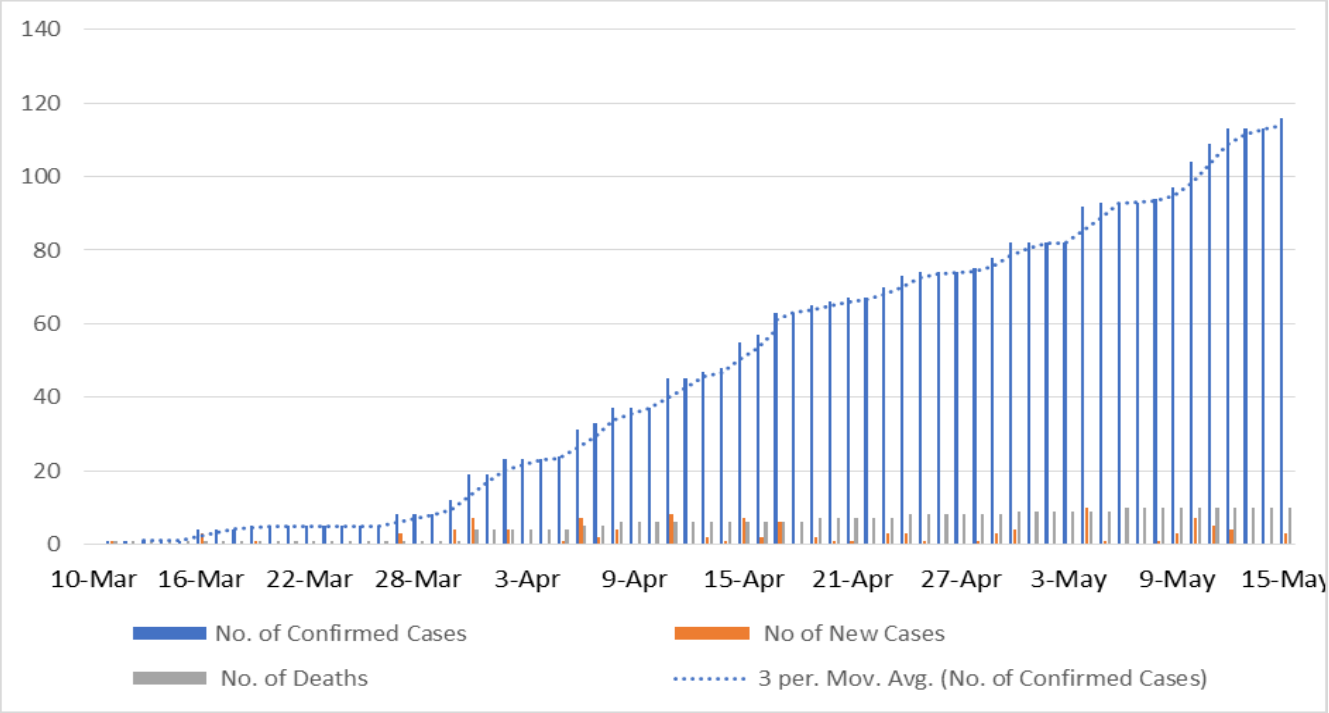
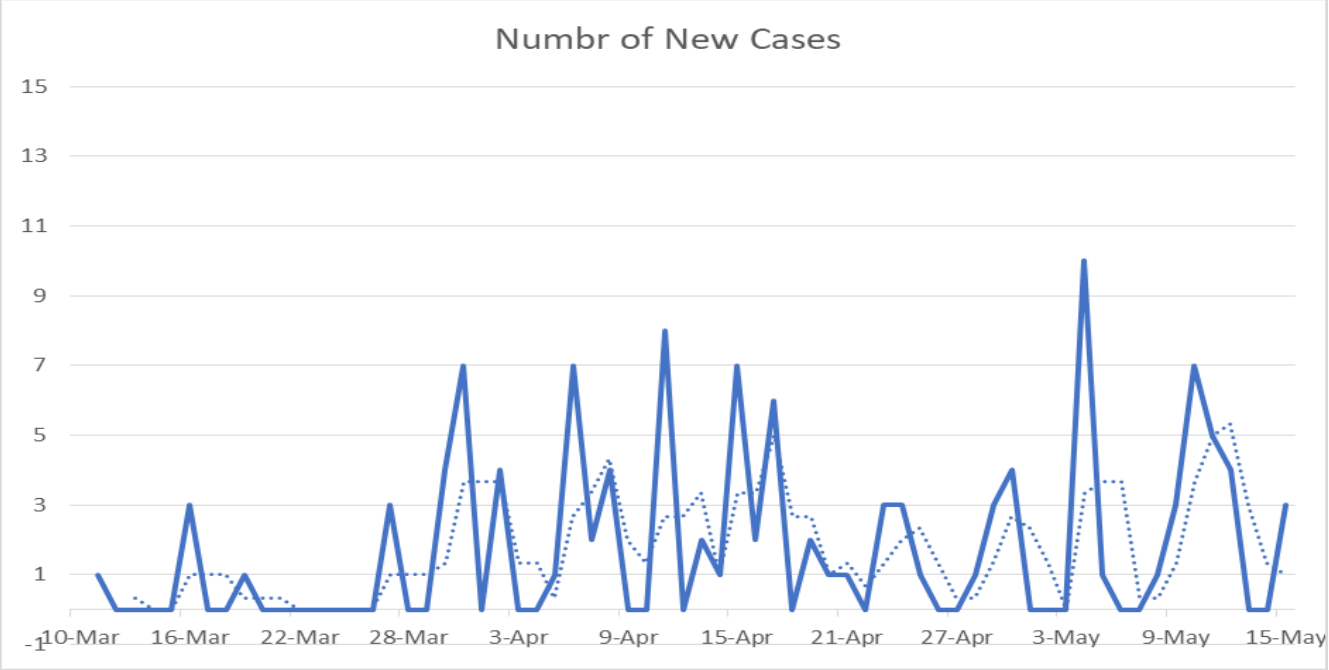


CHART 12A: GUYANA



From **1-15 May** there were **34 new cases** of COVID-19 in Guyana. For the reporting period of this Issue, **9-15 May**, Guyana has contributed to **22 new cases** or approximately **10 percent** of the total number of new cases for that period.

CHART 13: HAITI

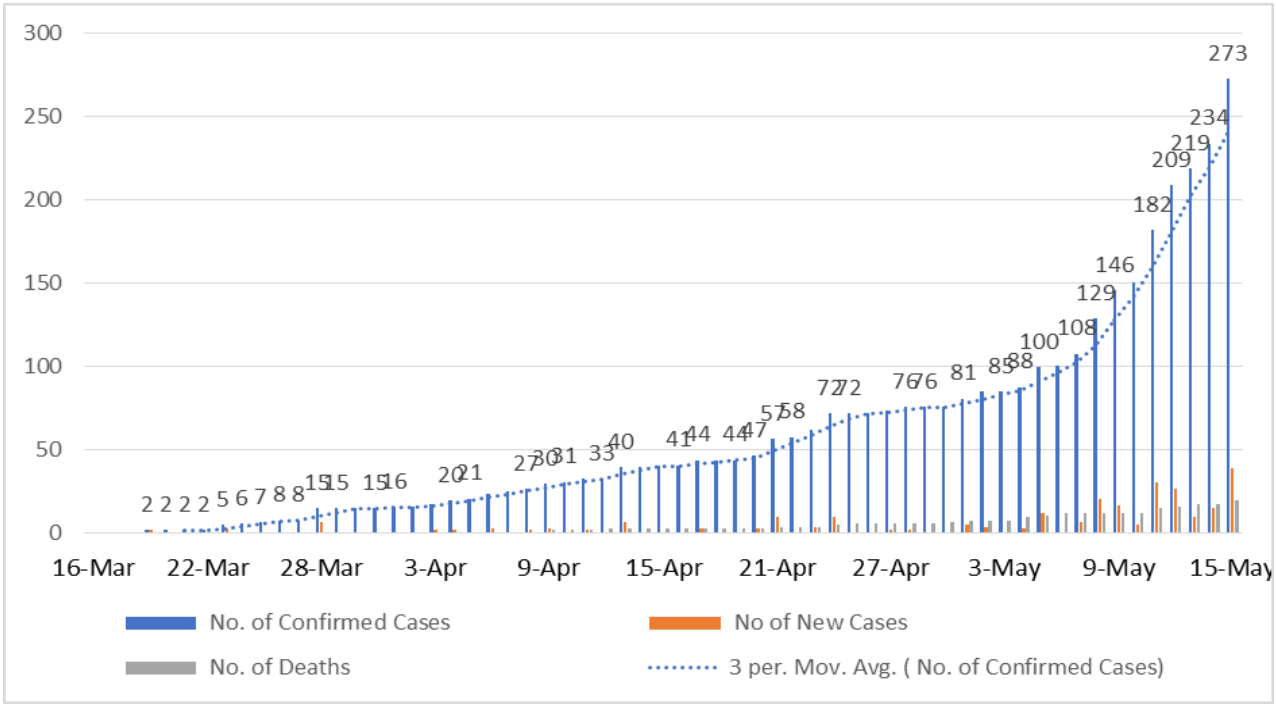
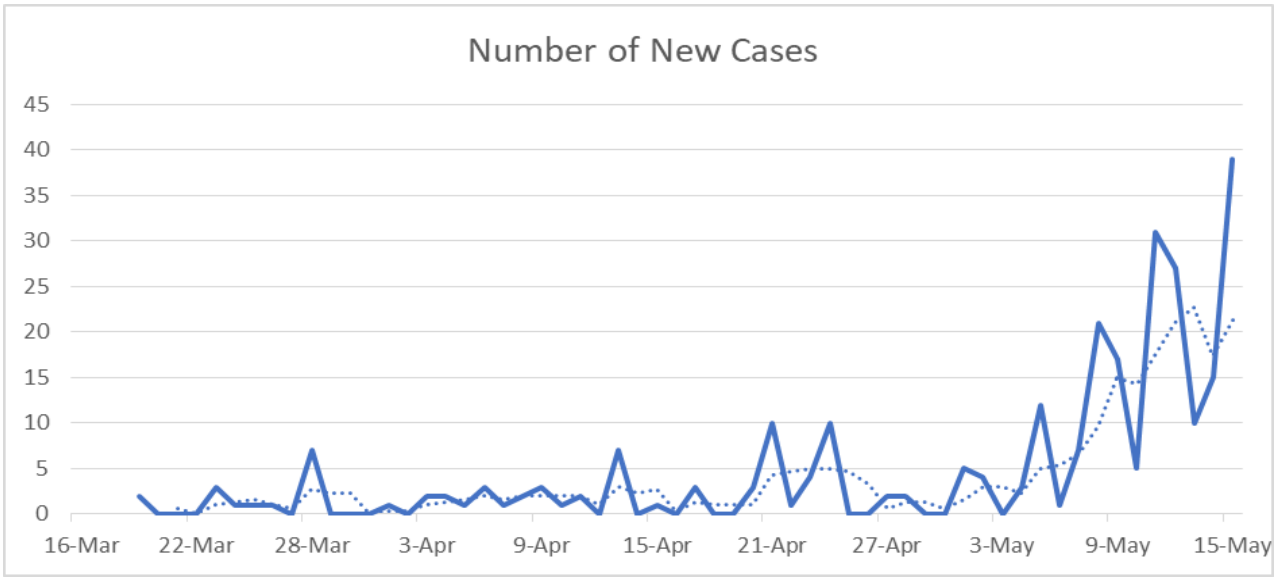


CHART 13A: HAITI



There were **197 new cases** of COVID-19 in Haiti from **1-15 May**. For the period **9-15 May (the reporting period of this Issue)** there were **144 new cases. Haiti has contributed to over 67 percent of the total number of new cases in the period 9-15 May.**

CHART 14: JAMAICA

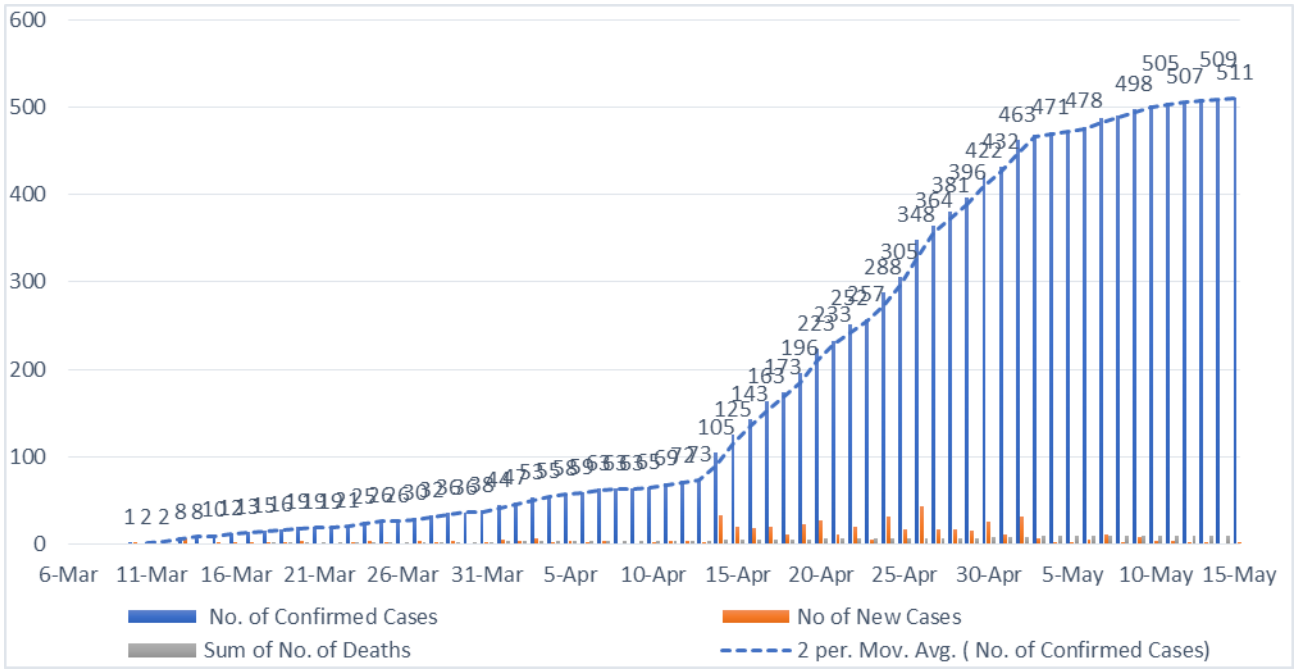
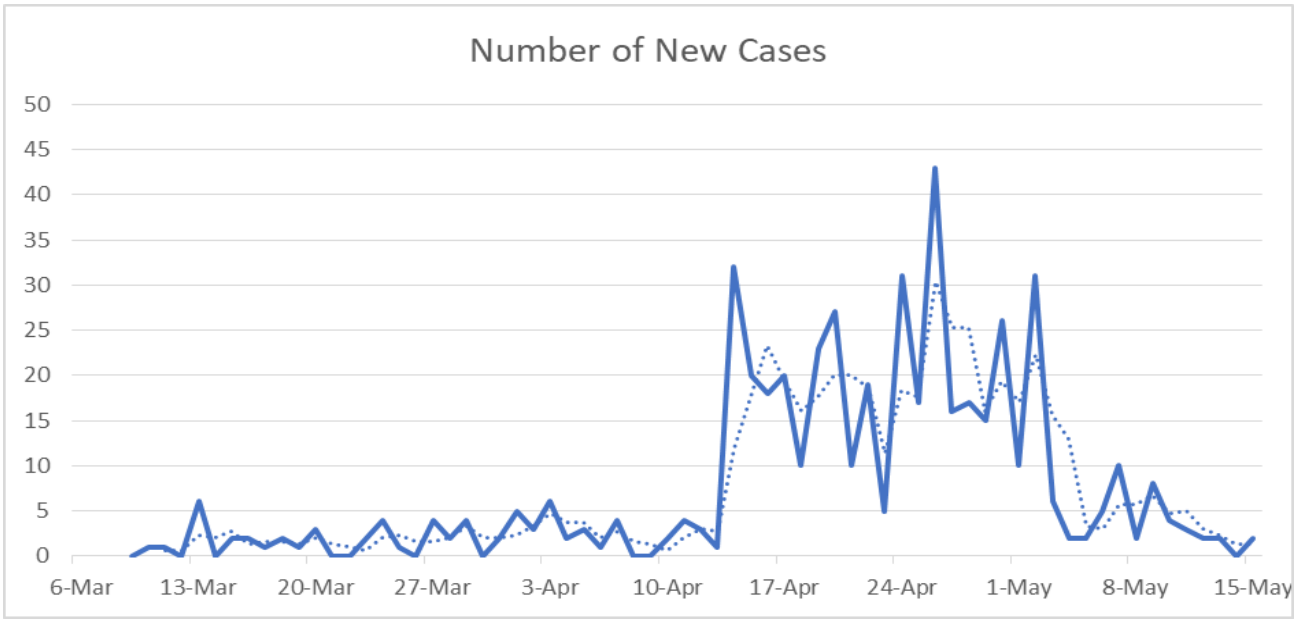


CHART 14A: JAMAICA



There were **89** new cases of COVID-19 in Jamaica from **1-15 May and 21 cases** for the period **9-15 May** or a reduction of **47 new cases (69.1 percent)** from the previous reporting period of this Bulletin **(1-8 May).** The 21 new cases (9-15 May) represent approximately **10 percent** of the total new cases for this period.

CHART 15: MONTSERRAT

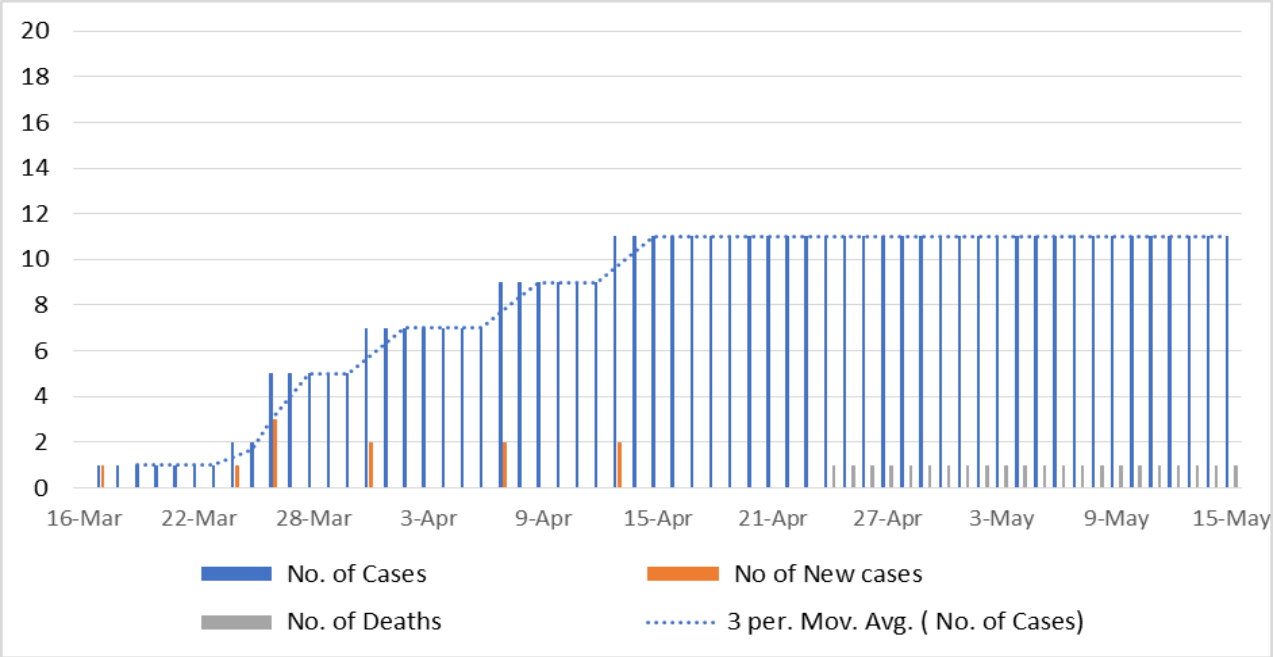
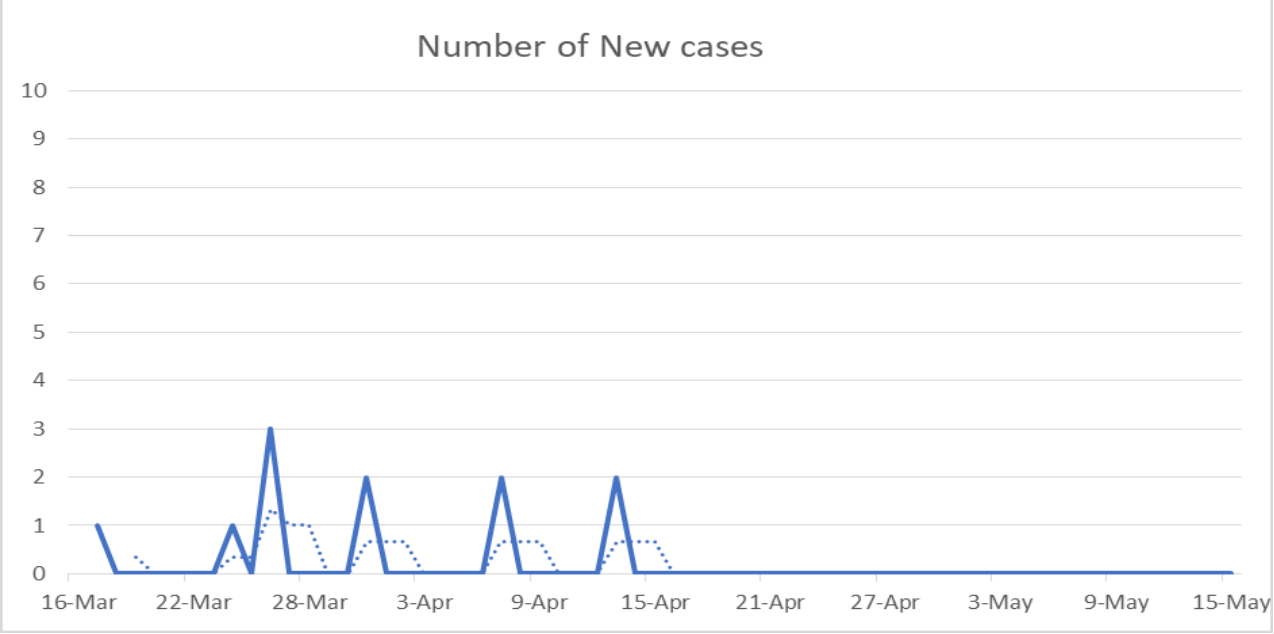


CHART 15A: MONTSERRAT



There were **no new cases** in Montserrat since **13 April**, a period of **32 days** to 15 May.

CHART 16: SAINT LUCIA

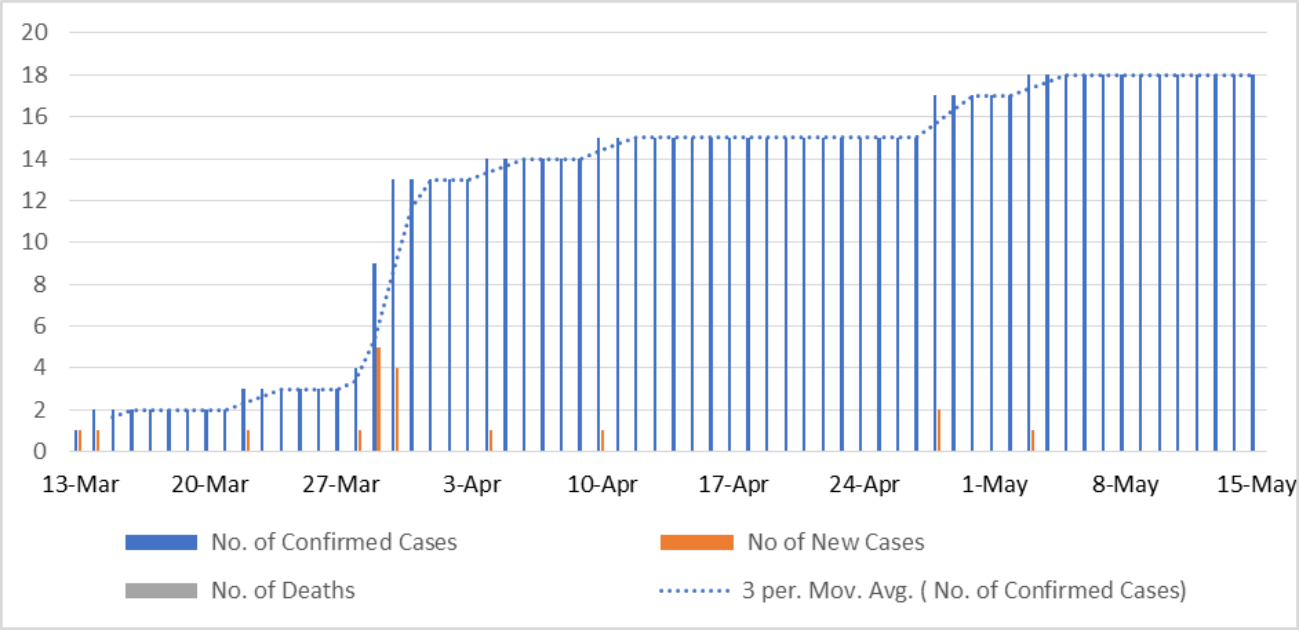
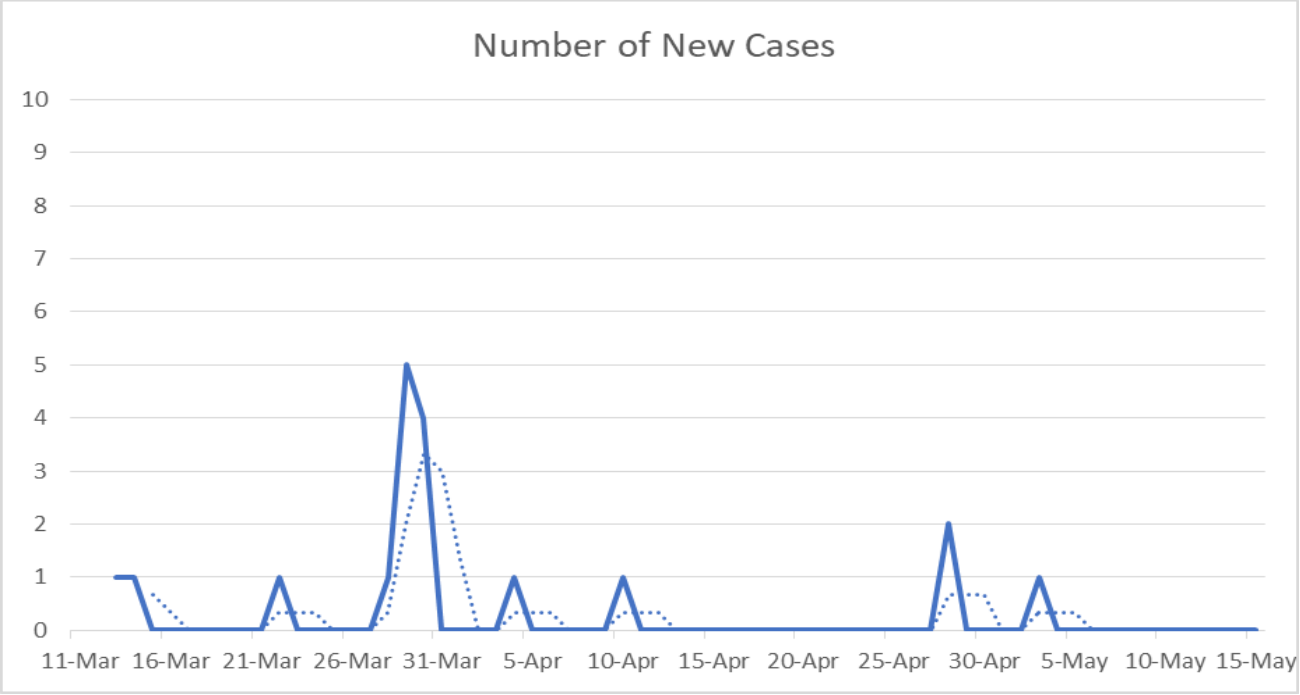


CHART 16A: SAINT LUCIA



There was **one new case** in Saint Lucia during the period **1-15 May**. The last case that was confirmed was on **3 May**.

CHART 17: ST. KITTS AND NEVIS

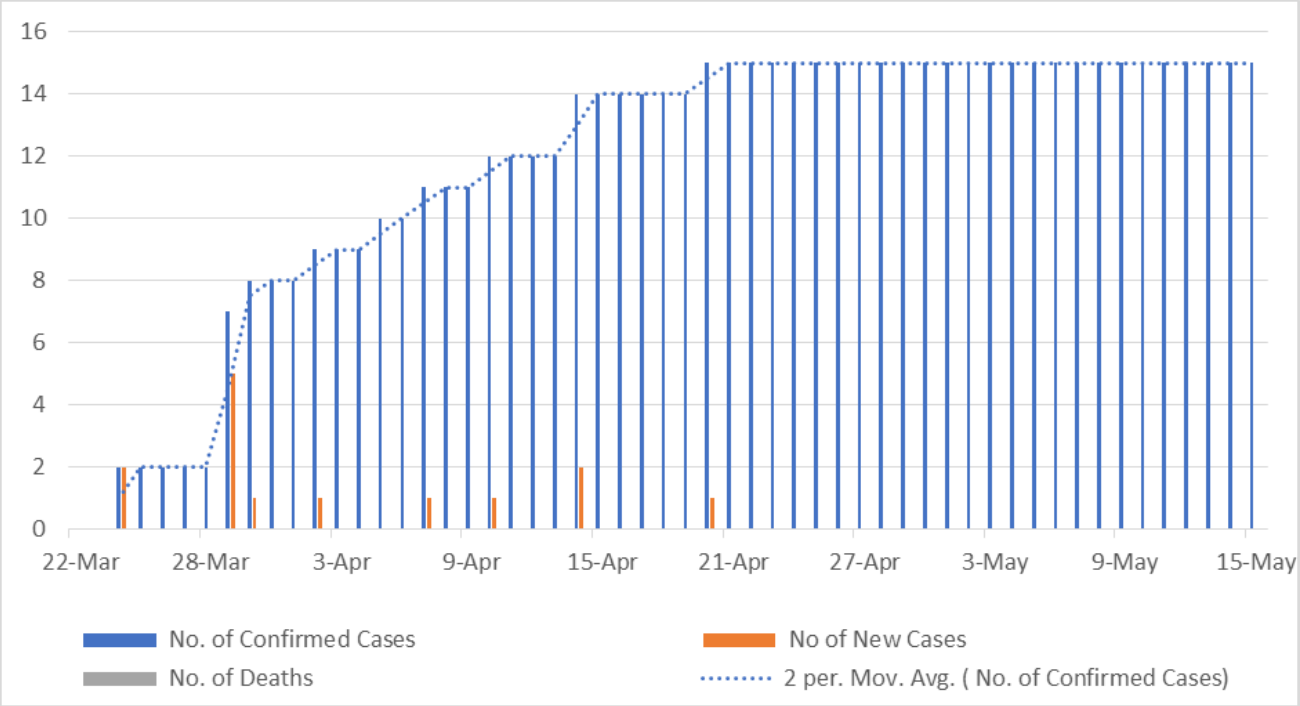
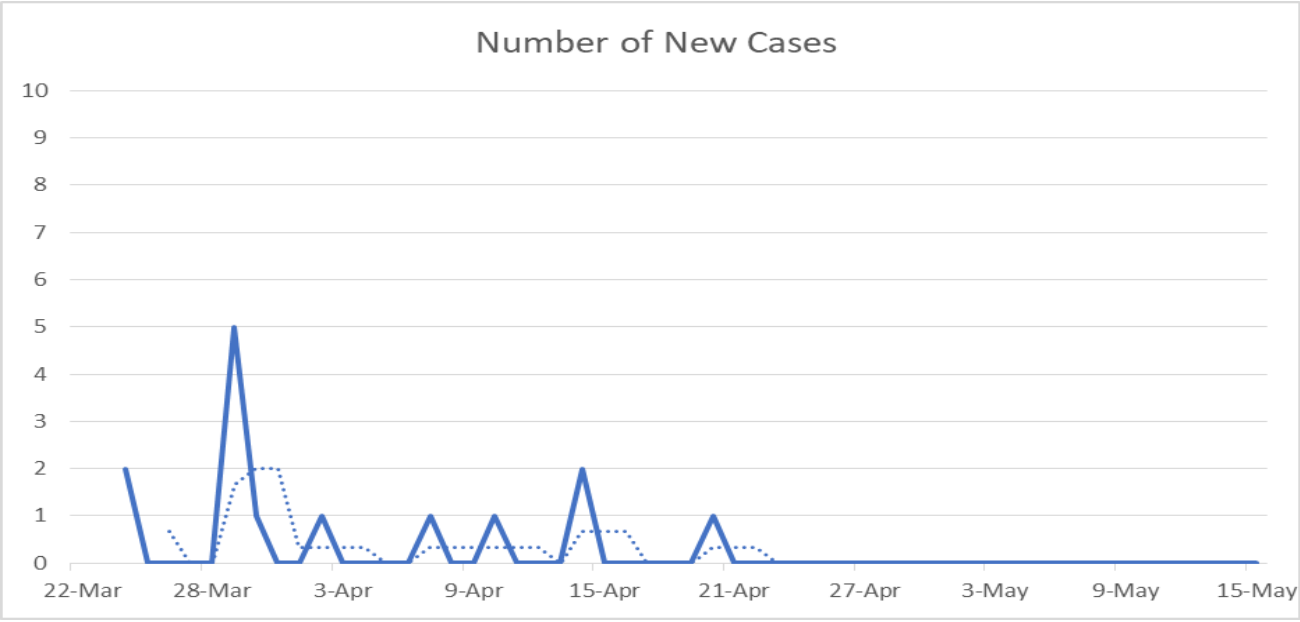


CHART 17A: ST. KITTS AND NEVIS



There were **no new cases** of COVID-19 in St Kitts and Nevis from **1-15 May**. The last positive case was on **20 April,** a period of **25 days**

CHART 18: ST. VINCENT AND THE GRENADINES

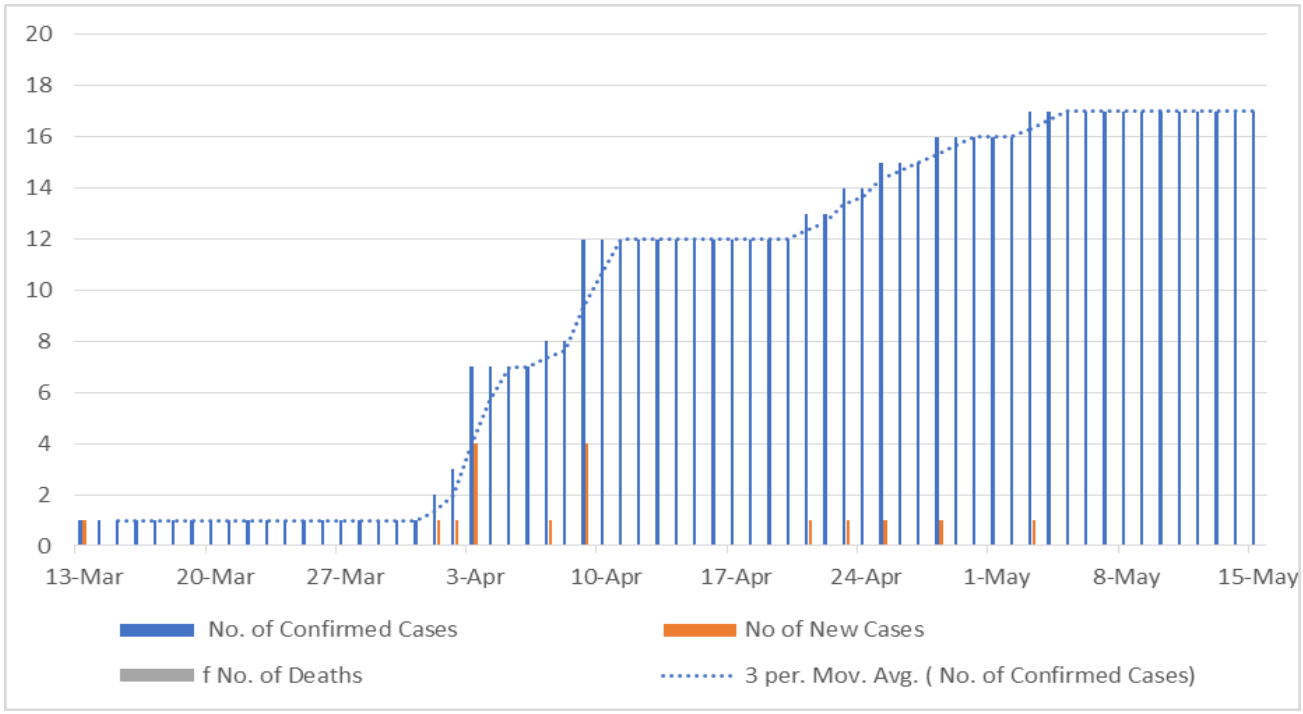
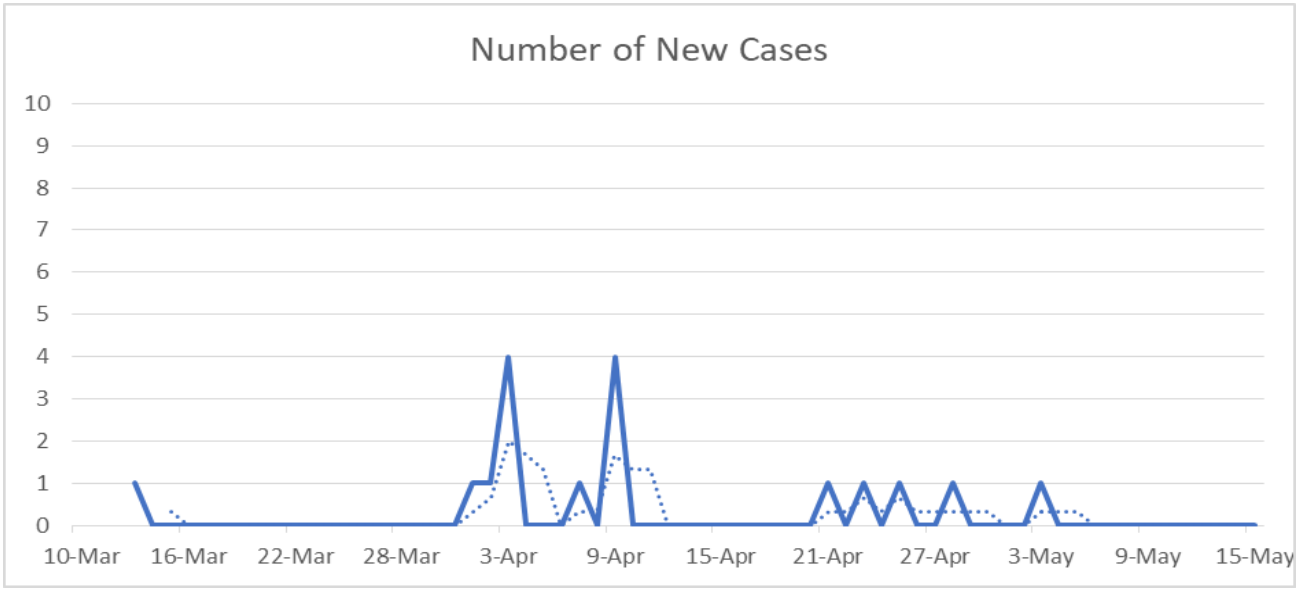


CHART 18A: ST. VINCENT AND THE GRENADINES



There was **1 new case** of COVID-19 in St. Vincent and the Grenadines during 1-15 May. The last confirmed case was **3 May**.

CHART 19: SURINAME

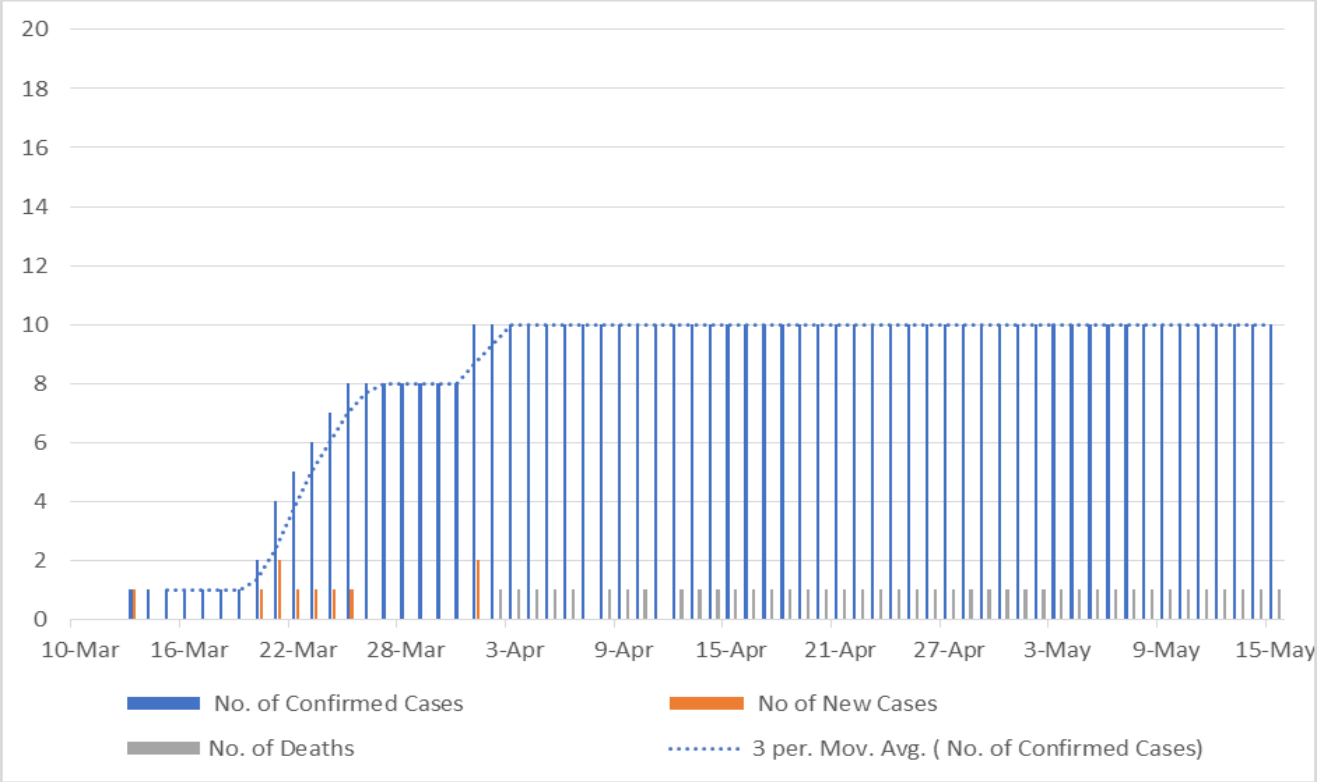
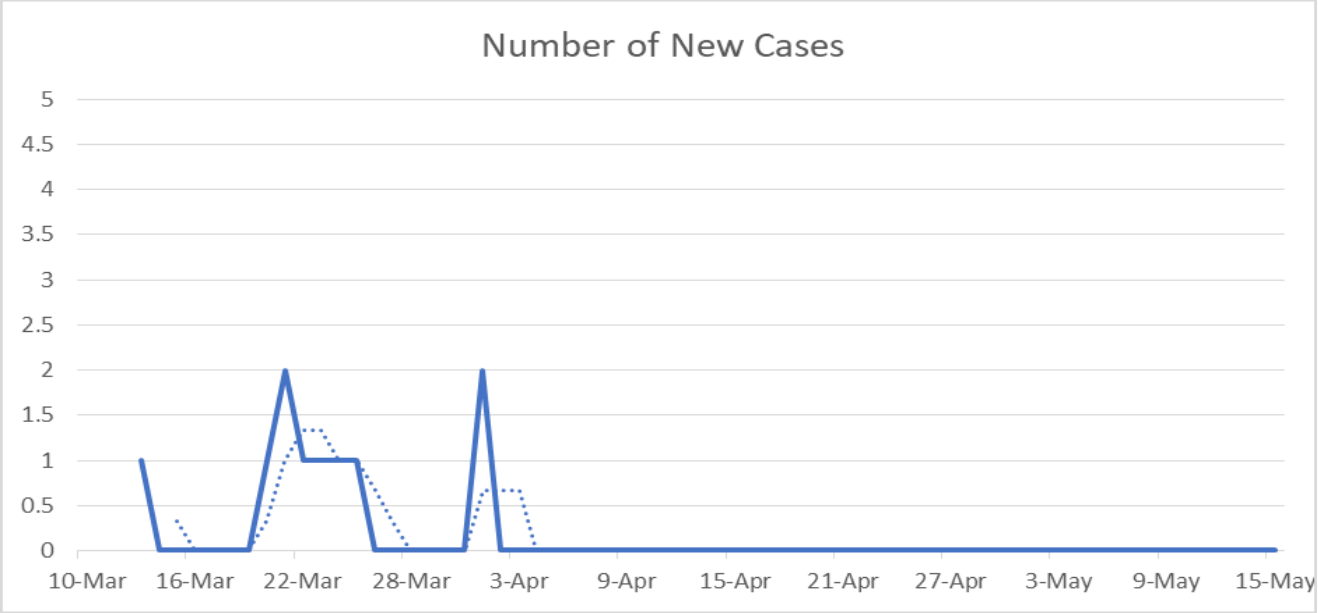


CHART 19A: SURINAME



There were **no new cases** of COVID-19 in Suriname during the period **1-15 May**. The last positive case was on **1 April, 44** days up to 15 May.

CHART 20: TRINIDAD AND TOBAGO –TOTAL CONFIRMED CASES

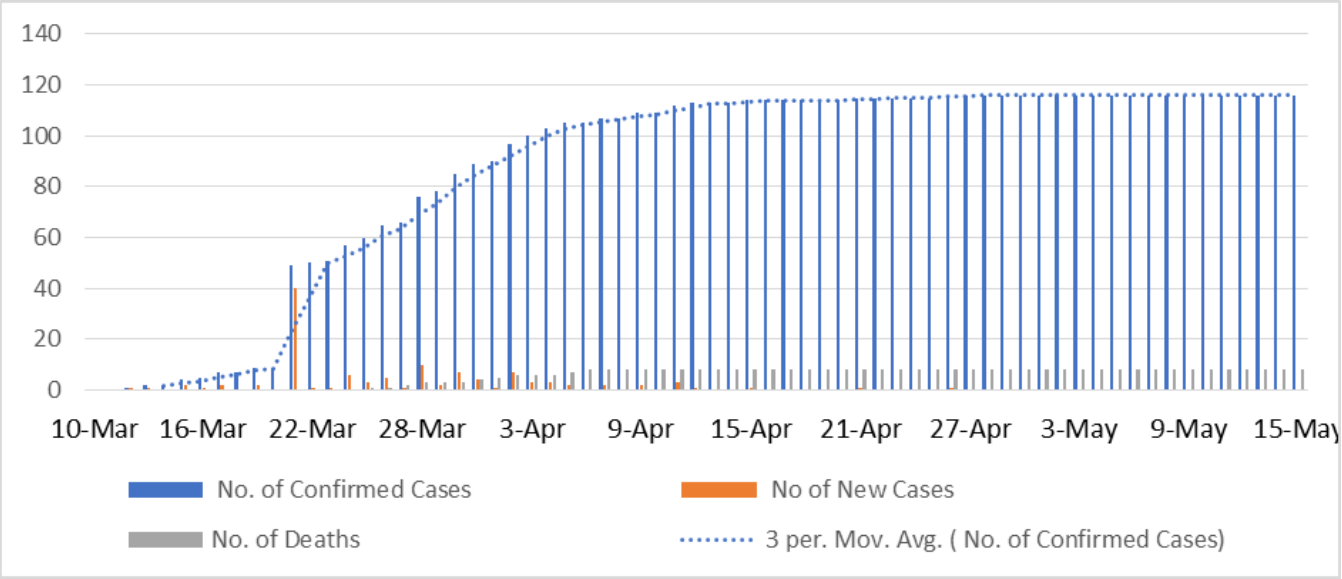
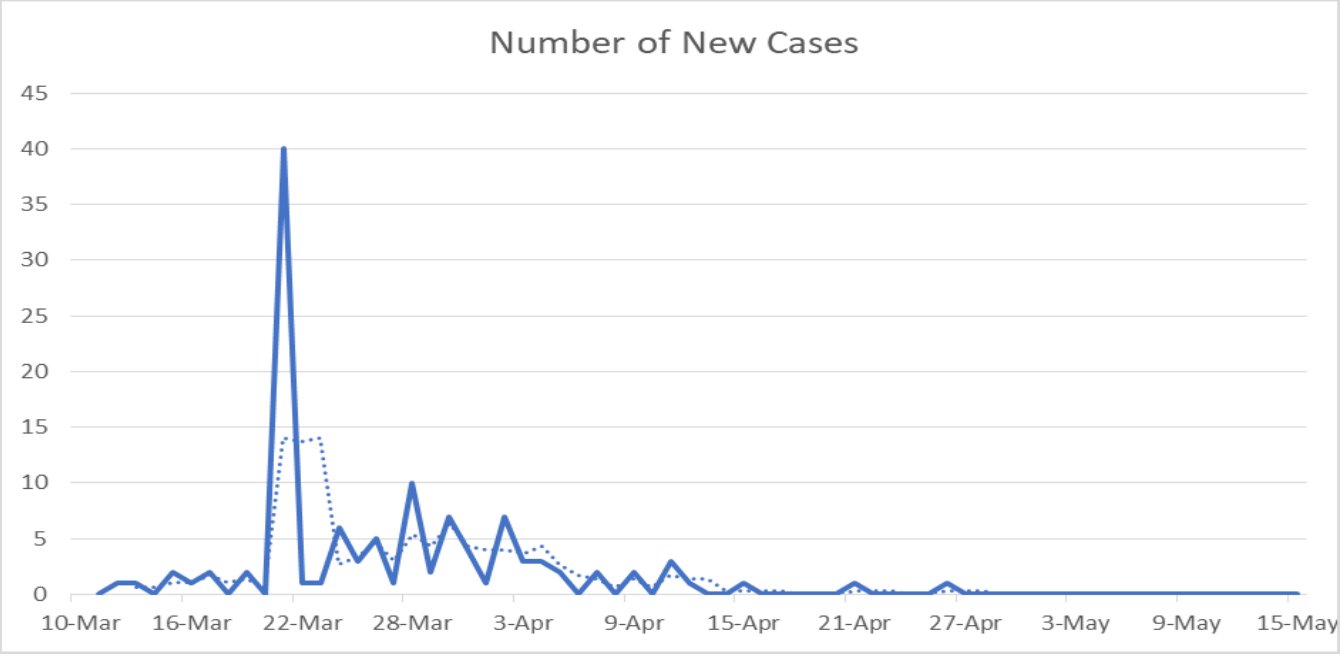


CHART 20A: TRINIDAD AND TOBAGO



There were **no new cases** of COVID-19 from **1-15 May** in Trinidad and Tobago. The last confirmed case was on **26 April**, **19 days** as at 15 May.

CHART 20B: TRINIDAD AND TOBAGO - CRUISE PASSENGERS

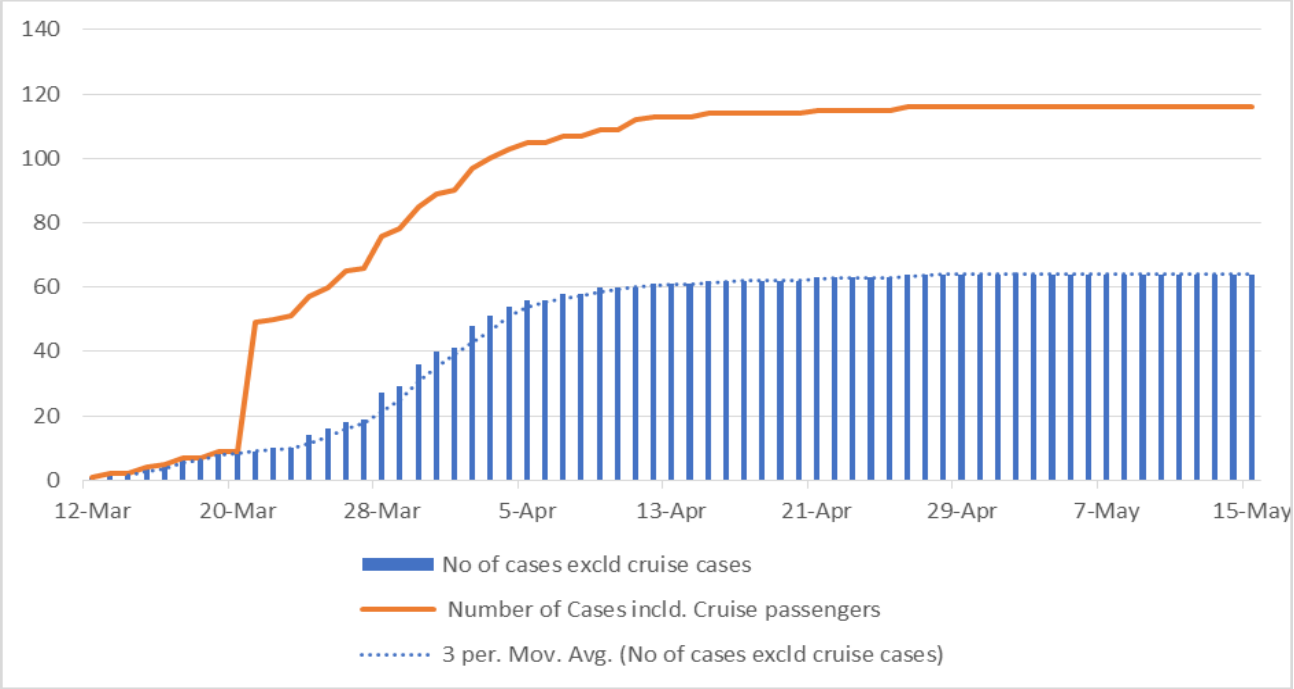


CHART 21: ANGUILLA

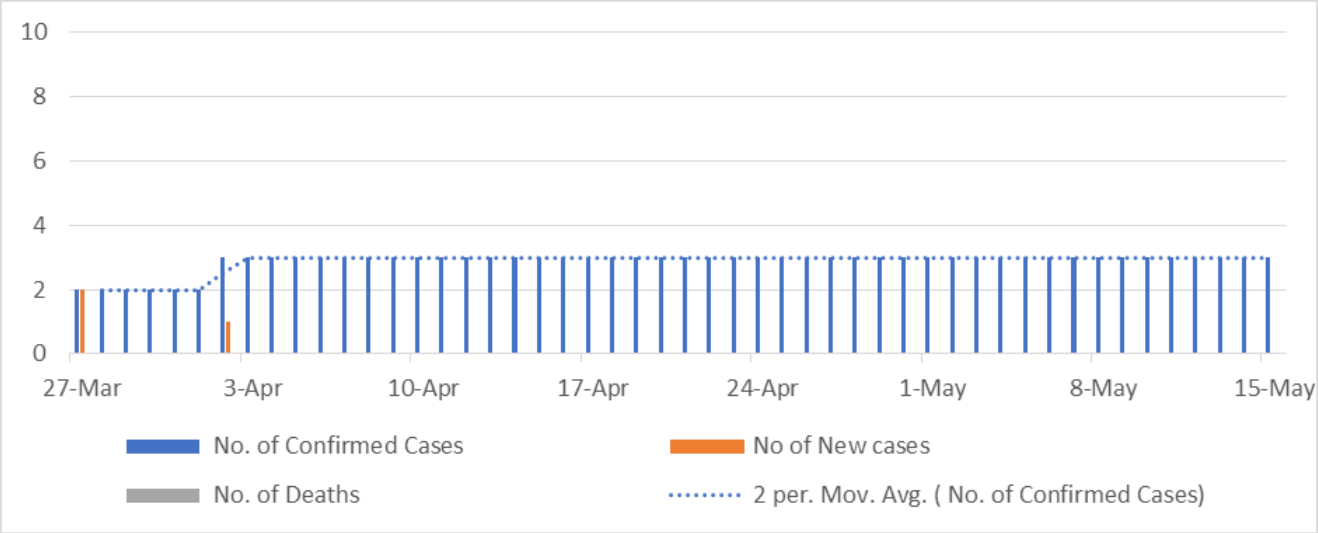
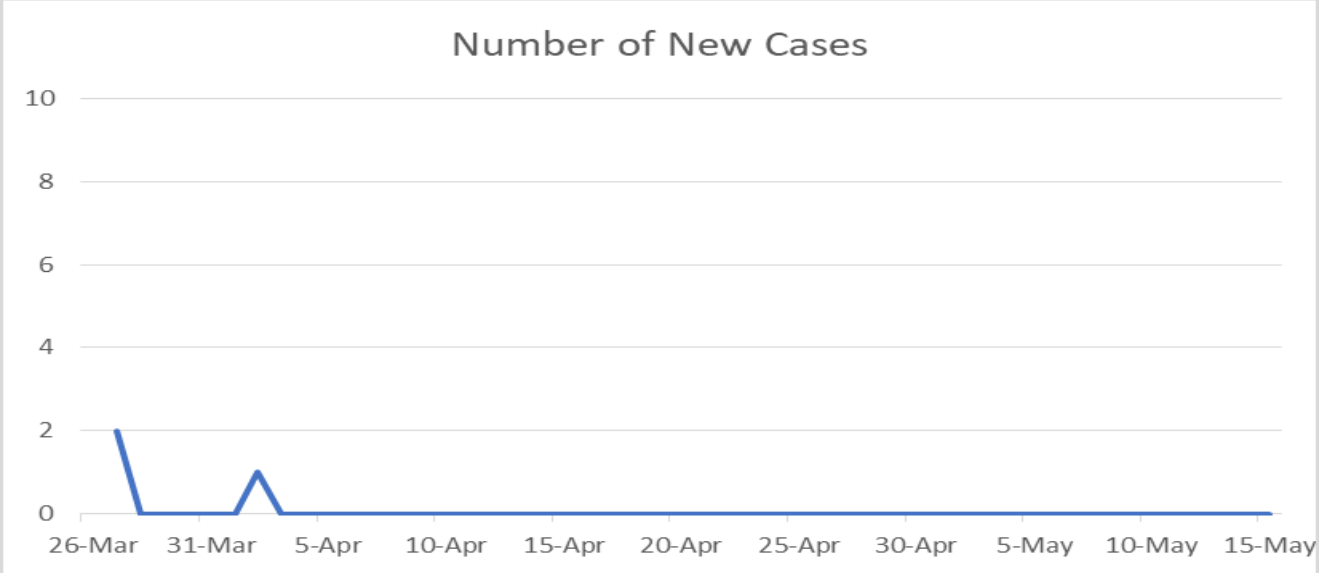


CHART 21A: ANGUILLA



There were no new cases in **Anguilla from the 1-15 May**. The last positive case of COVID-19 was **2 April**., a period of **43 days**.

CHART 22: BERMUDA

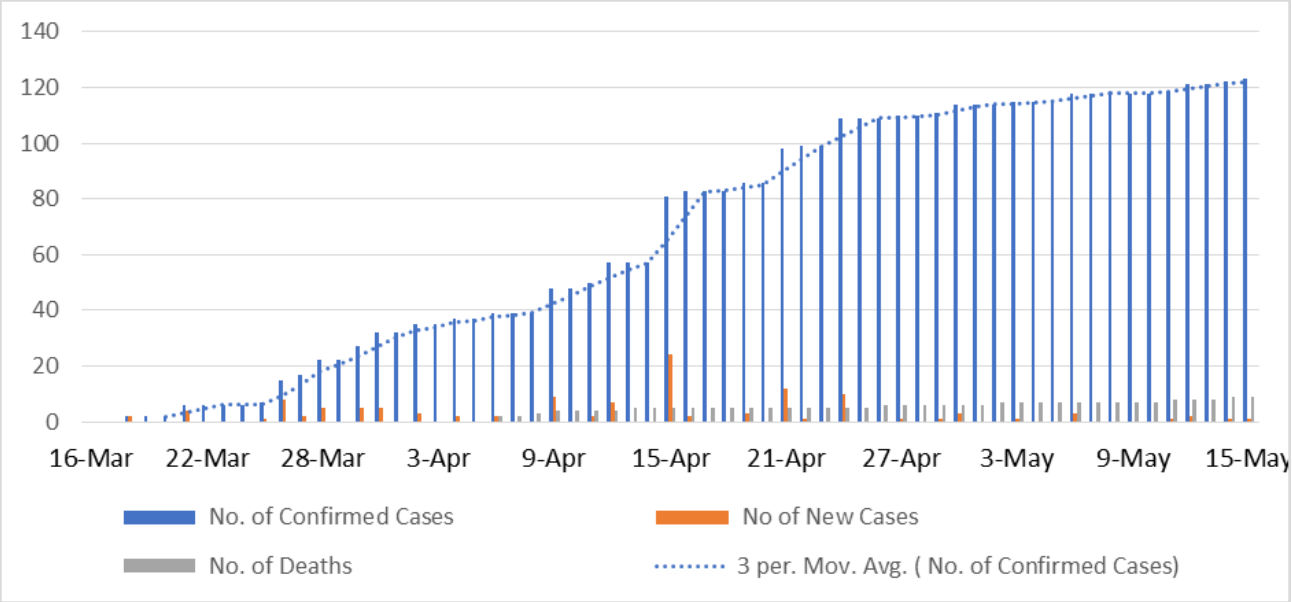
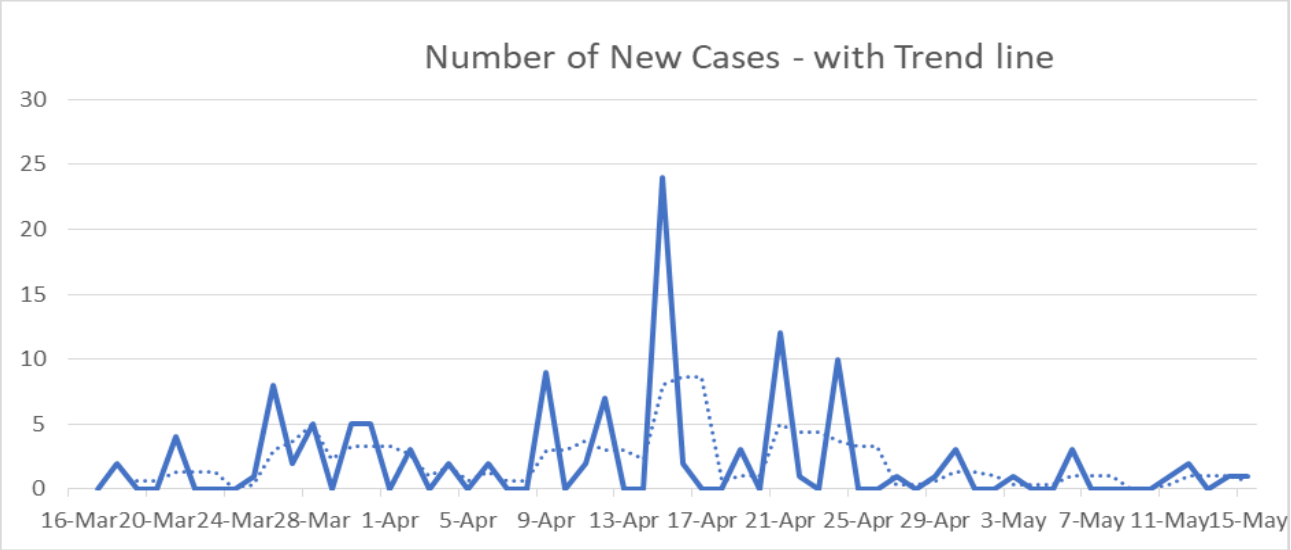


CHART 22A: BERMUDA



There were **9 new cases** during the period 1-15 May in Bermuda..

CHART 23: BRITISH VIRGIN ISLANDS

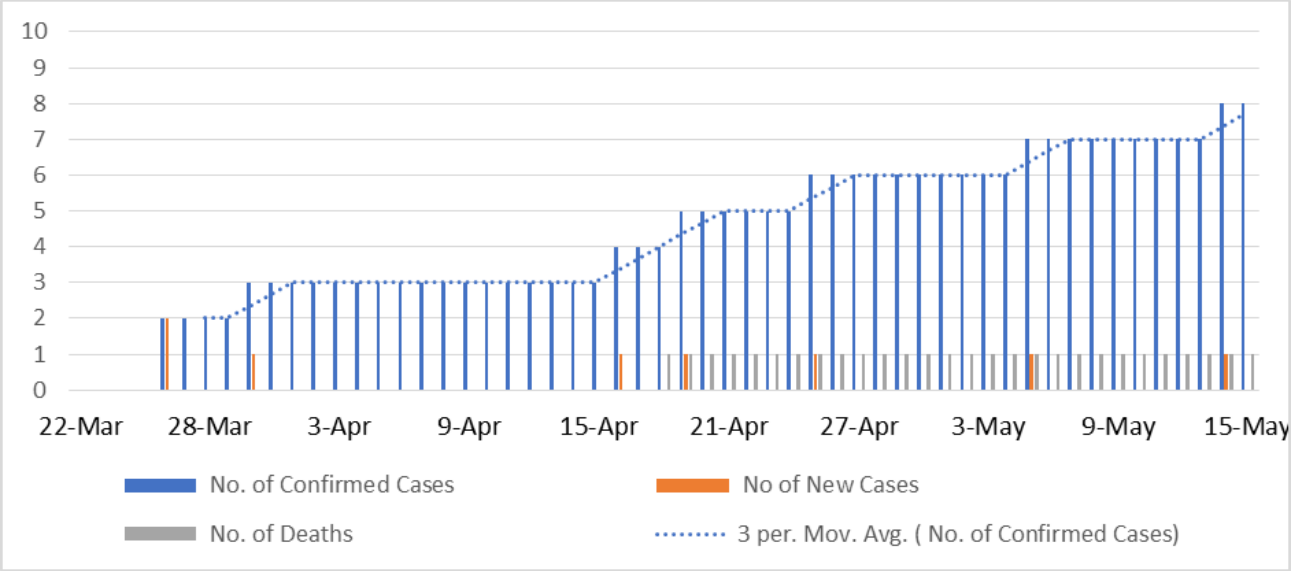
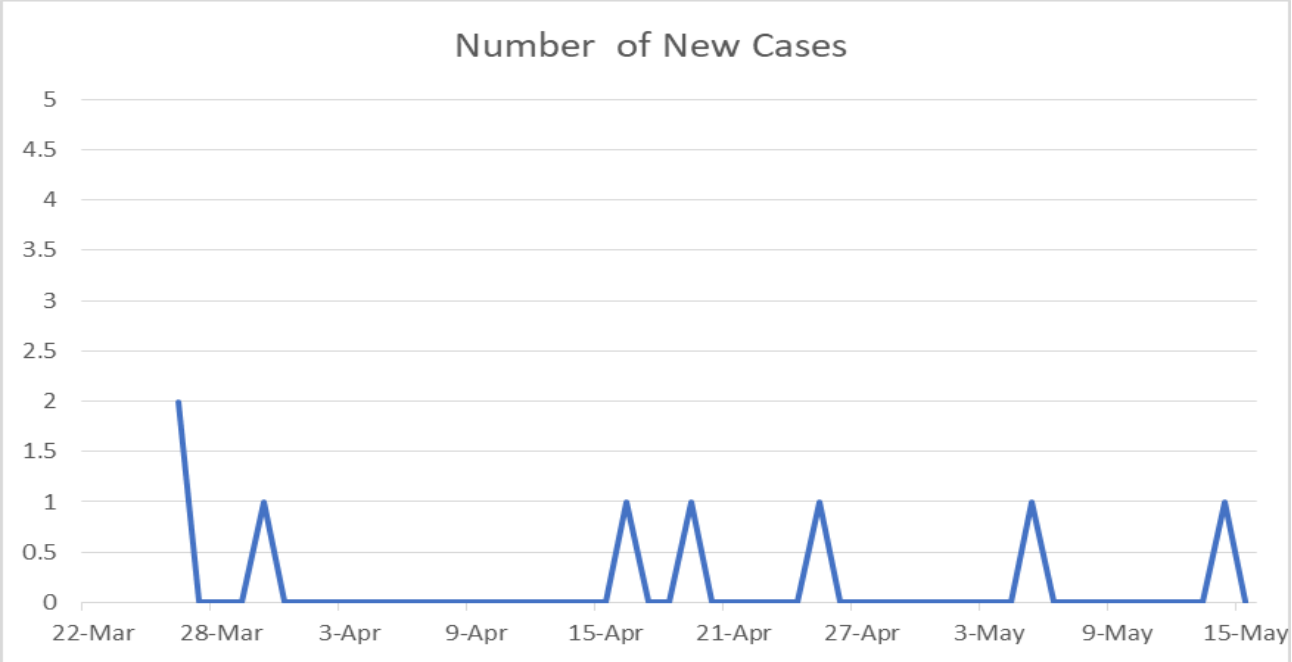


CHART 23A: BRITISH VIRGIN ISLANDS



There were **2 new cases** from 1-15 May in British Virgin Islands.

CHART 24: CAYMAN ISLANDS

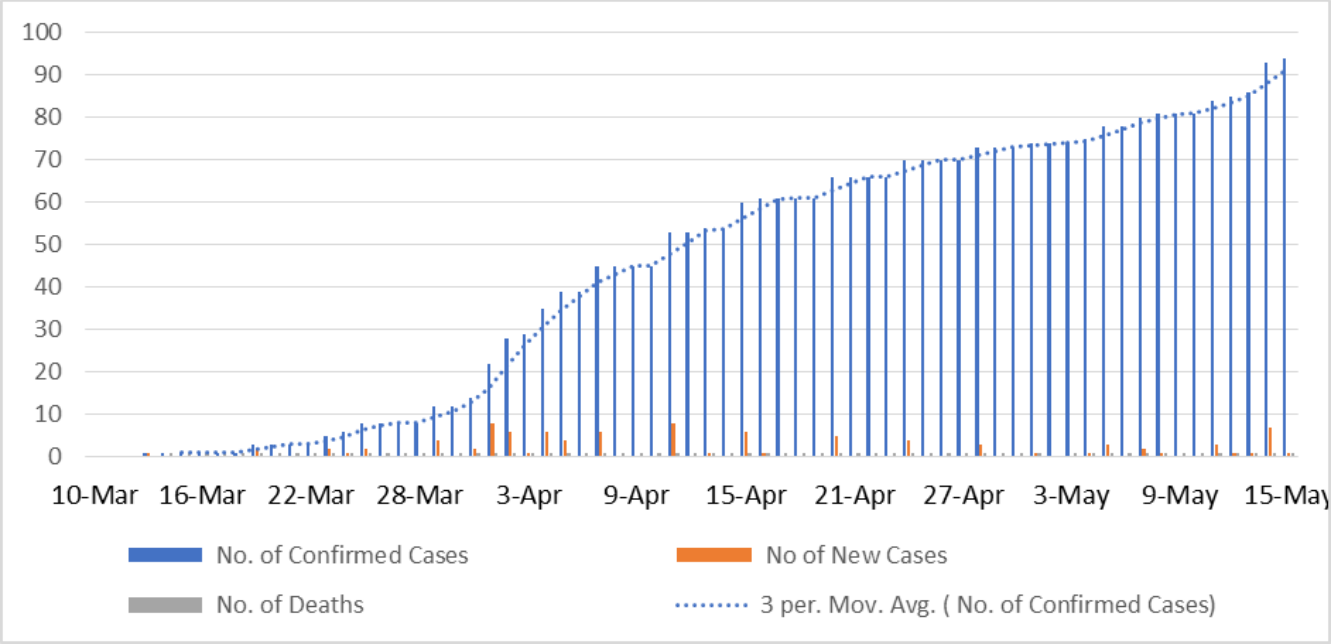
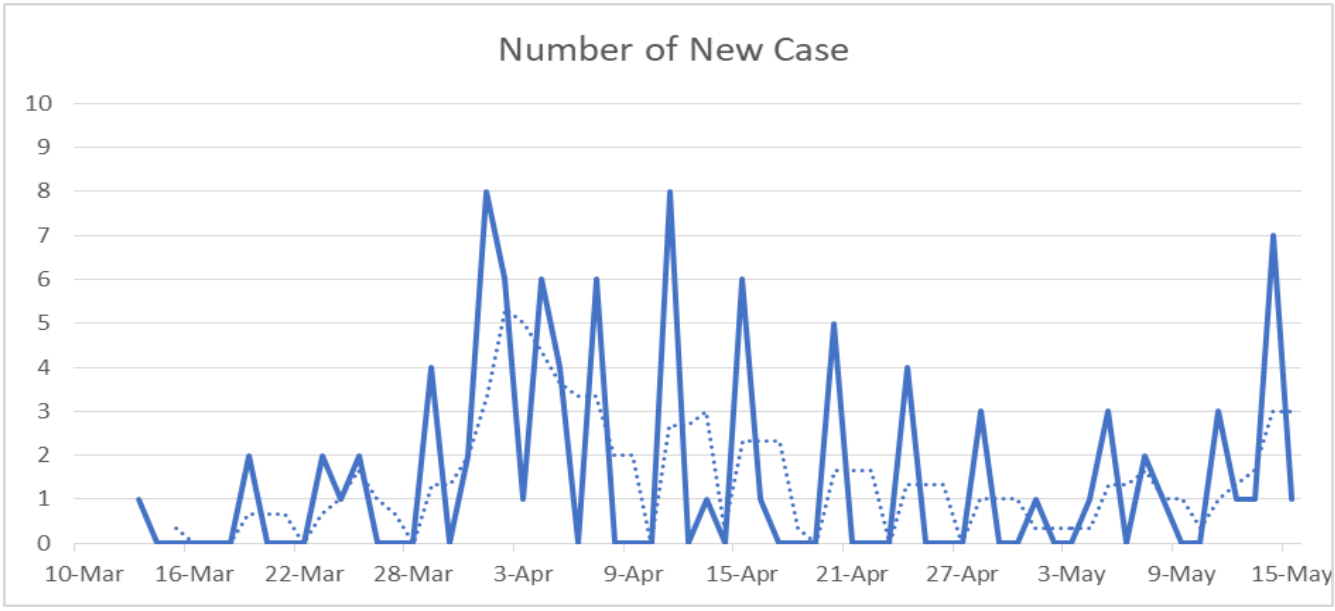


CHART 24A: CAYMAN ISLANDS



There were **21 new cases** in Cayman Islands from **1- 15 May**. For the period 9 -15 May there were **13 new cases** as compared to **1-8 May** that had 8 new cases.

CHART 25: TURKS AND CAICOS ISLANDS

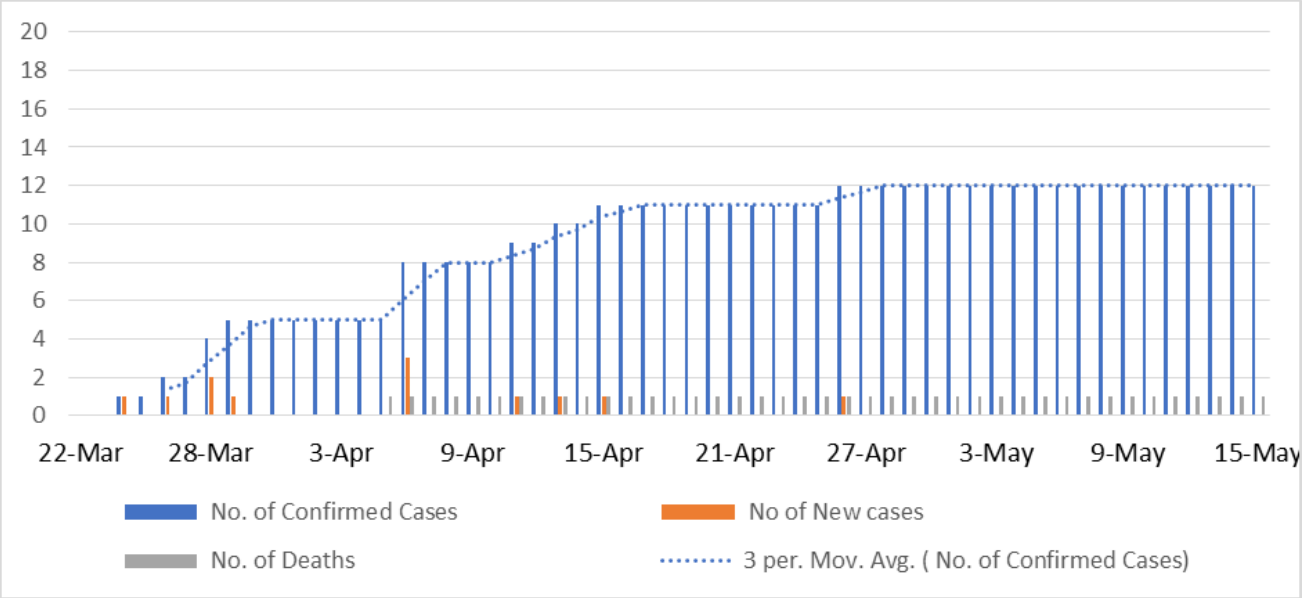
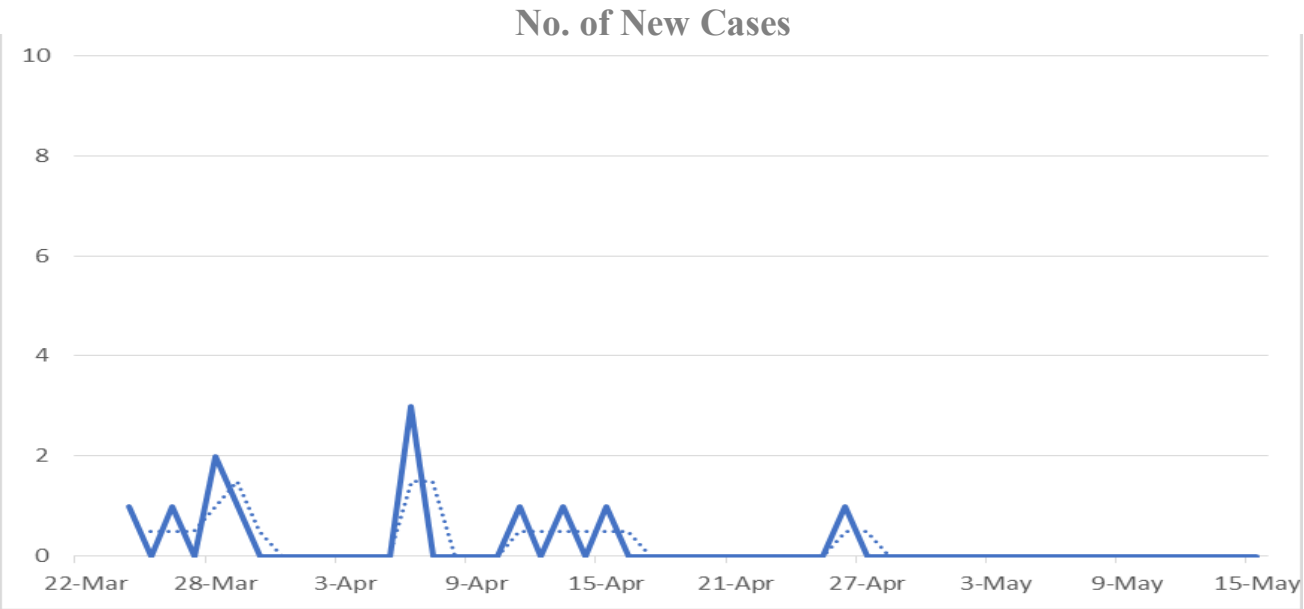


CHART 25A: TURKS AND CAICOS ISLANDS



There were no new cases for the period **1-15 May** in Turks and Caicos Islands. The last confirmed case was on **26 April, a period of 19 days**.

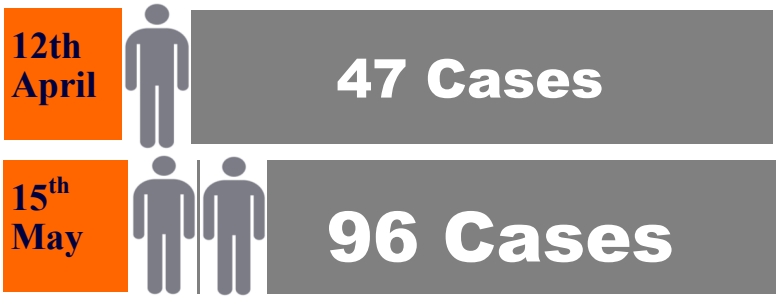
TABLE 8: TREND IN DOUBLING TIME –CARICOM AND SELECTED COUNTRIES

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 Rate: 1.96
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 Rate: 2.1
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 Rate: 1.99

DOUBLING OF CONFIRMED CASES IN SELECTED COUNTRIES

The Bahamas

Doubling (2.04) 33 days



Barbados

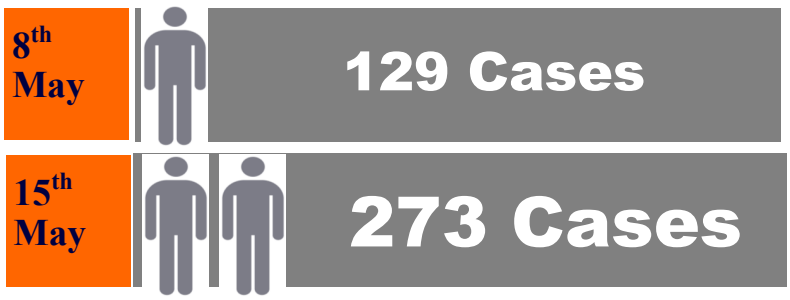
Approx. Doubling(1.9) 44 days

Guyana

Approx. Doubling (2.03) 29 days

Haiti

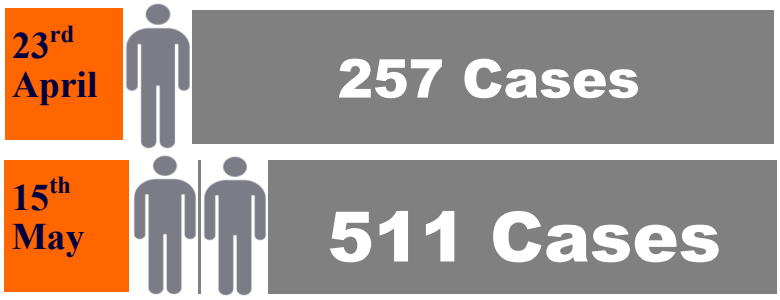
Doubling (2.1) - 7 days



DOUBLING OF CONFIRMED CASES IN SELECTED COUNTRIES

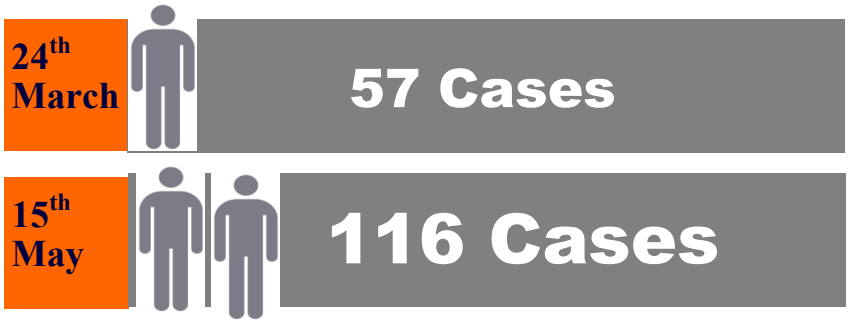
Jamaica

Approx. Doubling (1.99) 22 days



Trinidad and Tobago

Approx. Doubling(2.04) 52 days



Bermuda

Doubling (2.2) 33 days

Cayman Islands

Approx. Doubling (2.09) - 38 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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