



GOVERNMENT OF  
BERMUDA

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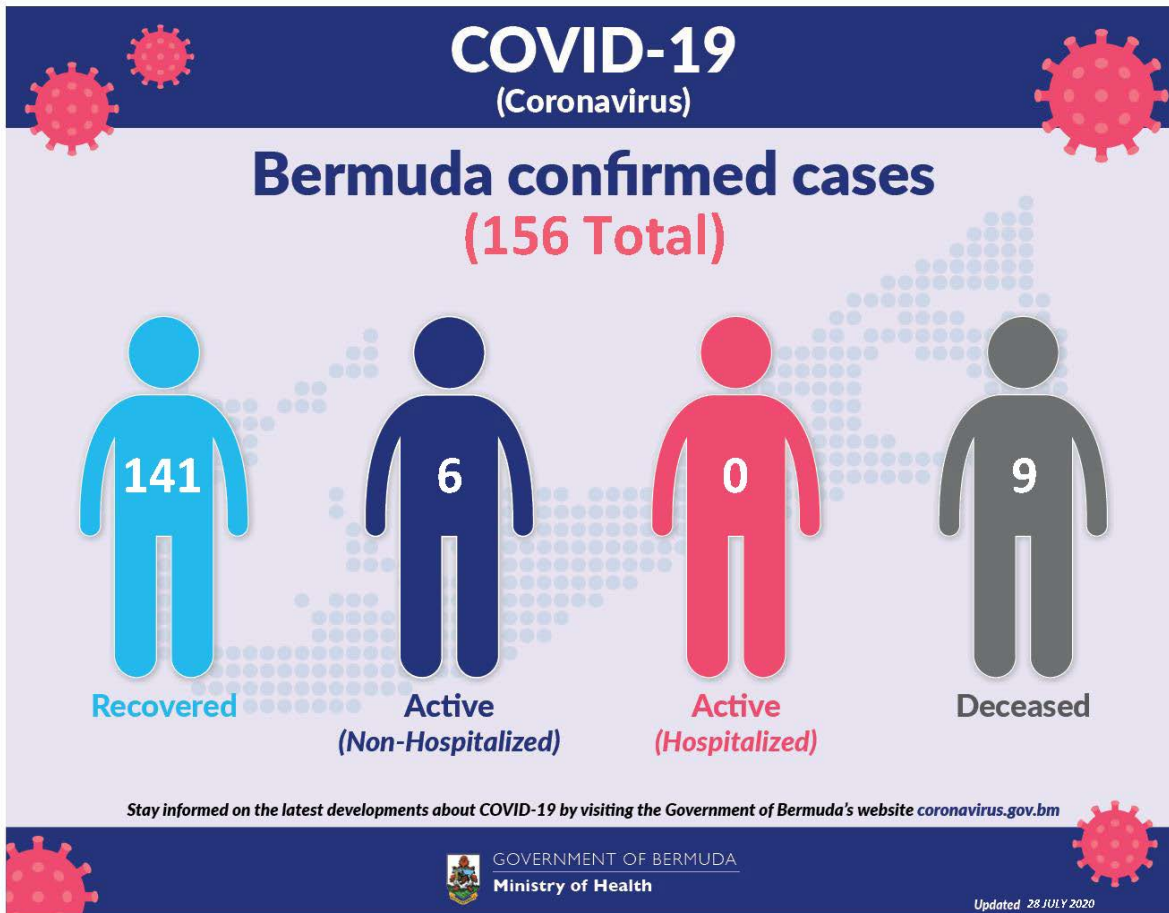
## Coronavirus (COVID-19) update

The current World Health Organization risk assessment for novel coronavirus (COVID-19) is very high risk globally. It is advised that all countries prepare for the possibility of COVID-19 in their communities. Everyone has a role to play in getting ready and staying healthy by practicing everyday prevention measures like frequent hand washing, staying home when sick and covering coughs and sneezes. The World Health Organization has declared the current coronavirus situation as a pandemic. A pandemic is the increased and sustained transmission of a disease across many countries.

Surveillance for respiratory illness has been enhanced in collaboration with local public health partners. Persons with respiratory illness including fever and cough should call ahead and inform their health care provider of their travel history prior to attending for medical care.

This is a rapidly changing situation. Please regularly check this page for updates.

[COVID-19 Dashboard 27 July, 2020](#) 



Data as of 3:00 pm 28 July 2020

COVID-19 Testing	Total
Total	20962
Results negative	20806
Results positive	156
<b>Transmission Status of Confirmed Cases</b>	
Imported	52
Local Transmission [Known contact/source]	85
Local Transmission [Unknown contact/source]	19
Under Investigation	0
<b>Status of Confirmed Cases</b>	
Recovered	141
Active (non-hospitalized)	6

Active (hospitalized)	0
Deceased	9

**Imported:** Cases acquired outside of Bermuda.

**Local transmission:** Cases acquired within Bermuda

**Under investigation:** Type of transmission has not yet been determined. These cases are not imported and are likely the result of local transmission.

**Recovered:** Person has had no fever for at least 72 hours (3 days) without the use of fever-reducing medication, other symptoms have improved and at least 14 days have passed since onset of symptoms or testing date. Laboratory confirmation of at least one negative result may also be used as evidence of recovery.

**Country status:** Sporadic Cases

## COVID-19 Reopening Indicators

Bermuda is monitoring critical indicators to see how we are doing in managing COVID-19 and assess our readiness to move to the next phase of our reopening plan. These indicators are updated on Mondays and Thursday.

As of 27th July 2020:

### Lead Measures As of 27th July 2020

*"How Bermuda is doing; monitor bi-weekly to indicate likelihood of movement to the next phase"*

#### Preventive Behaviours



Face mask wearing	<div style="width: 100%; height: 10px; background-color: red;"></div>
<i>HealthIQ Reports on observation of mask wearing</i>	
Physical Distancing	<div style="width: 100%; height: 10px; background-color: red;"></div>
<i>HealthIQ Reports on observation of 3 – 6ft physical distancing</i>	
Adoption of technology	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>Number of people participating in Health IQ / other apps</i>	

#### Capacity



Testing capacity	<div style="width: 100%; height: 10px; background-color: yellow;"></div>
<i>In stock of all lab consumables, reagents and kits plus enabling resources: staff &amp; PPE</i>	
PPE supplies	<div style="width: 100%; height: 10px; background-color: red;"></div>
<i>In stock of: surgical mask, N95 mask, gloves, gowns and face shields</i>	

### Lag Measures

*"How Bermuda has done so far; to confirm at the end of each phase that it is safe to move to the next phase"*

#### Transmission



WHO country classification	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>WHO country classification</i>	
Transmission	<div style="width: 100%; height: 10px; background-color: yellow;"></div>
<i>Proportion of cases able to be linked to known cases or clusters</i>	
Reproduction rate	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>Real time reproduction number (average over last 7 days)</i>	

#### Cases and hospitalizations



Hospitalizations	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>New COVID-related hospitalizations</i>	
Critical care	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>New COVID cases in critical care</i>	
COVID-19 cases	<div style="width: 100%; height: 10px; background-color: green;"></div>
<i>Number of new cases</i>	

## Definitions

### Lead measures:

**1. Face mask wearing:** HealthIQ Reports on observation of mask wearing –

- >95% report public wearing masks
- <80% report public wearing masks

**2. Physical distancing:** HealthIQ Reports on observation of 3 – 6ft physical distancing –

- >95% report public maintaining distance
- <80% report public maintaining distance

**3. Adoption of Technology:** Number of people participating in HealthIQ or Apps (public) -

- >10,000 unique respondents (All time)
- <5,000 unique respondents

**4. Testing capacity:** In stock of all lab consumables, reagents and kits plus enabling resources: staff & PPE

- >3 months' supply
- <1 months' supply

**5. PPE supplies (critical):** In stock of: surgical mask, N95 mask, gloves, gowns and face shields

- >5 months' supply
- >3 months' supply

### Lag measures:

**6. Classification: WHO Country classification**

- Green: Sporadic cases
- Amber: Local transmission
- Red: Community transmission

**7. Transmission:** Proportion of cases able to be linked to known cases or clusters

- <10% unknown transmission
- >20% unknown transmission

**8. Reproduction rate:** Real time reproduction number average over last 7 days

- $R_t < 1.0$
- $R_t > 1.4$

**9. Hospitalizations:** New COVID-related hospitalizations

- <7 over last 7 days
- >21 over last 7 days

**10. Critical care:** COVID-related ICU cases

- <4 concurrent per week
- >7 concurrent per week

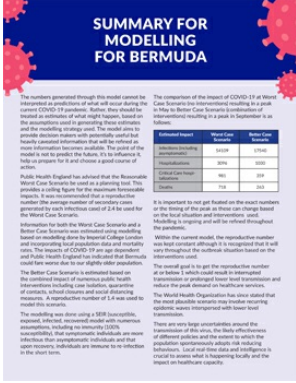
**11. COVID-19 cases:** Number of new cases per week

- <12 over last 7 days
- >35 over last 7 days

## Coronavirus (COVID-19) Modelling Data - 24 April

The numbers generated through this model cannot be interpreted as predictions of what will occur during the current COVID-19 pandemic. Rather, they should be treated as estimates of what might happen, based on the assumptions used in generating these estimates and the modelling strategy used. The model aims to provide decision makers with potentially useful but heavily caveated information that will be refined as more information becomes available. The point of the model is not to predict the future, it's to influence it, help us prepare for it and choose a good course of action.

Our analyses on COVID-19 infections, hospitalizations, and testing can be found at the links below:



**SUMMARY FOR MODELLING FOR BERMUDA**

The numbers generated through this model cannot be interpreted as predictions of what will occur during the current COVID-19 pandemic. Rather, they should be viewed as a tool to help inform decision-making and to provide a range of possible outcomes based on the assumptions used in generating these estimates and the modelling strategy used. The model uses a range of assumptions and modelling techniques that have been generated through analysis. The point of the model is not to predict the future, it's to influence a logical process for a decision a practitioner of public health.

Public Health England has advised that the Responsible Person should be used as a starting point for the number of average number of infectious cases generated by each infectious case of 2.6. This is used for the Bermuda Case Scenario.

Information for both the Worst Case Scenario and a Better Case Scenario was generated using modelling based on modelling done by Imperial College London and incorporating local population data and available data. The health of COVID-19 are age dependent and Public Health England advised that the modelling should not be used for the elderly over 65.

The Better Case Scenario is estimated based on the implementation of various public health interventions including case isolation, quarantine of contacts, school closure and social distancing measures. A reproductive number of 1.4 was used to model this scenario.

The modelling was done using a SEIR framework, extended to include hospitalisation and recovery, assuming that symptomatic individuals can mean introduce their asymptomatic contacts and their open recovery individuals are immune to re-infection in the short term.

The comparison of the impact of COVID-19 at Worst Case Scenario (no interventions) resulting in a peak in May to Better Case Scenario (combination of interventions) resulting in a peak in September is as follows:

Parameter/Event	Worst Case Scenario	Better Case Scenario
Peak Date	2020	2020
Peak Value	2000	1000
End Date	2021	2021

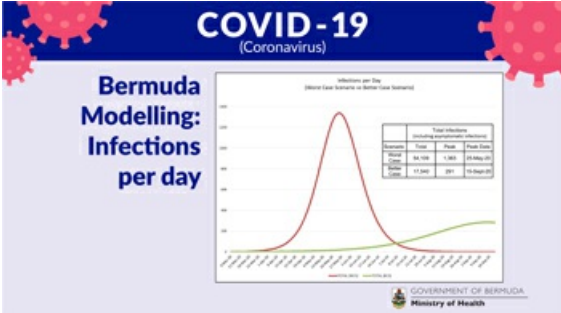
It is important to not get fixated on the exact numbers or the timing of the peak as these can change based on the local situation and interventions used. Modelling is ongoing and will be refined throughout the pandemic.

While the current model, the reproductive number was kept constant although it is recognised that it will vary throughout the outbreak situation based on the interventions used.

The overall goal is to get the reproductive number as low as possible which could result in interrupted transmission or prolonged times that transmission and reduce the peak demand on healthcare services.

The World Health Organisation has also stated that the most plausible scenario may involve requiring countries across the world to have high transmission.


There are many other uncertainties around the transmission of this virus, the body effectiveness of different policies and the extent to which the population behaviour changes in the real life situation. Use of real time data and intelligence is crucial to assess what is happening locally and the impact on healthcare capacity.



**COVID-19 (Coronavirus)**

**Bermuda Modelling: Infections per day**

Millions per Day (Worst Case Scenario vs Better Case Scenario)



Parameter	Worst Case Scenario	Better Case Scenario
Peak Date	2020	2020
Peak Value	2000	1000
End Date	2021	2021

GOVERNMENT OF BERMUDA  
Ministry of Health

[Summary for modelling for Bermuda](#)

[Modelling Estimates for Bermuda and Potential impact of Non-Pharmaceutical Interventions \(NPIS\) 24 April 2020](#)

## COVID-19 Health Screening

Welcome to the Health Department's COVID-19 health screening registration form for the Bermuda Government Molecular Diagnostic Testing Laboratory at the old White's Supermarket at Southside. Please choose and register for a timeslot that suits you for your screening. Please ensure to bring your confirmation number with you for your screening. Instructions: Please remain in your car or on your bike, with a mask on and your windows up until directed. Your results will be communicated to you by your doctor.

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[The Zika Virus](#)



BERMUDA GOVERNMENT  
Ministry of Public Works  
Department of Works and Engineering

*"The provision of a robust and reliable water and wastewater service to all Islanders and visitors, in a way that will allow Bermuda to be recognized as a leader in sustainability."*

### Strategy for Sustainable Water and Wastewater Servicing in St. George's Parish

#### The Study

The Government of Bermuda, Ministry of Public Works, has initiated a study to formulate a strategy for sustainable water and wastewater servicing in St. George's Parish. The objectives of the project involve an information review of the current water supply and sewage systems in St. George's Parish, to establish appropriate policies in order to:

- Offer options for management of service delivery;
- Identify infrastructure investment required to deliver a sustainable service for the Plan Period ( 25 years); and
- Complete a financial analysis of the current and proposed service delivery systems.

#### The Process

The study will define existing constraints and capacities, consider and evaluate alternatives and identify preferred water and wastewater servicing alternatives. The methodology will follow a process similar to the master planning process of the Municipal Engineers Association of Ontario, Canada.

#### Public Information and Consultation

The government wishes to ensure that anyone with an interest in this study has an opportunity to be involved and to provide input. Opportunities to provide the public with information will be made available via Public Information Centers (PIC's) and Town Hall meetings as well as on the project website, found here: [www.bermudawater.info](http://www.bermudawater.info). The government is urging St. George's businesses and residents to answer the short survey found at the listed site.

If you have any suggestions for or comments on the study please send any email to the project website: [stgeorgewwwplan@gov.bm](mailto:stgeorgewwwplan@gov.bm).



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