



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.

Data as of 3:00 pm 18 July 2020

COVID-19 Testing	Total
Total	16279
Results negative	16126
Results positive	153
Transmission Status of Confirmed Cases	
Imported	49
Local Transmission [Known contact/source]	85
Local Transmission [Unknown contact/source]	18
Under Investigation	1

Status of Confirmed Cases	
Recovered	137
Active (non-hospitalized)	7
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 16th July 2020:

Lead Measures

As of 16th July 2020

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

Preventive Behaviours



Face mask wearing	
HealthIQ Reports on observation of mask wearing	
Physical Distancing	
HealthIQ Reports on observation of 3 – 6ft physical distancing	
Adoption of technology	
Number of people participating in Health IQ / other apps	

Capacity



Testing capacity	
In stock of all lab consumables, reagents and kits plus enabling resources: staff & PPE	
PPE supplies	
In stock of: surgical mask, N95 mask, gloves, gowns and face shields	

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	
WHO country classification	
Transmission	
Proportion of cases able to be linked to known cases or clusters	
Reproduction rate	
Real time reproduction number (average over last 7 days)	

Cases and hospitalizations



Hospitalizations	
New COVID-related hospitalizations	
Critical care	
New COVID cases in critical care	
COVID-19 cases	
Number of new cases	

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

- Rt <1.0
- Rt >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 COVID-19 pandemic. However, 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 information useful for having informed discussions with respect to what to expect as more information becomes available. The point of the model was to provide the public with information to help us prepare for it and choose a good course of action.

Public Health England has advised that the Bermudian Health Care Directorate could be a primary test. This advice is being taken into account in the model. However, it was recommended that a representative number (the average number of infectious cases generated by each infectious case) of 2.4 be used for the World Health Organization.

Information to date from the World Health Organization and the Bermudian Health Care Directorate has been used to generate the model. The model is based on the combined impact of numerous public health interventions including case isolation, quarantine of contacts, school closures and social distancing measures. A representative number of 1.4 was used to model this control.

The modelling was done using a SEIR (Susceptible, Exposed, Infected, Recovered) model, which assumes asymptomatic individuals, including asymptomatic individuals, are more infectious than symptomatic individuals and that asymptomatic individuals are immune to reinfection in the short term.

The comparison of the impact of COVID-19 at World Health Organization (WHO) estimates resulting in a peak in the Bermudian population of approximately 100,000 is shown in the table below.

Intervention Strategy	World Health Organization	Bermuda Case Scenario
Estimated Deaths	14,000	1,700
Estimated Cases	800,000	100,000
Estimated Recoveries	800,000	100,000
Estimated Deaths	14,000	1,700
Estimated Cases	800,000	100,000
Estimated Recoveries	800,000	100,000

It is important to not get fixated on the exact numbers or the timing of the peak as these are changing based on the local situation and interventions. Instead, the model is designed to provide a range of outcomes based on the assumptions used.

Public Health England has advised that the Bermudian Health Care Directorate could be a primary test. This advice is being taken into account in the model. However, it was recommended that a representative number (the average number of infectious cases generated by each infectious case) of 2.4 be used for the World Health Organization.

The World Health Organization has advised that the most likely scenario is that the peak of the pandemic will occur in the summer months, with the peak occurring around June/July. The model is based on the combined impact of numerous public health interventions including case isolation, quarantine of contacts, school closures and social distancing measures. A representative number of 1.4 was used to model this control.

There are very large uncertainties around the transmission of this virus, the basic effectiveness of different public health measures and the extent to which the population spontaneously adopts risk reducing behaviours. Local and international public health measures are crucial to ensure what is happening locally and the impact on healthcare capacity.

Bermuda Modelling: Infections per day

COVID-19 (Coronavirus)

Infections per Day			
(Bermuda Case Scenario - Single Case Scenario)			
	Start Date	Peak Date	End Date
Estimated	Mar 18, 2020	Apr 18, 2020	May 18, 2021
Estimated	Mar 18, 2020	Apr 18, 2020	May 18, 2021

GOVERNMENT OF BERMUDA
Ministry of Health

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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Vector Control at 278 5397.



GOVERNMENT OF BERMUDA
Ministry of Health and Services
Department of Health



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